THE ALMANAC

OF THE CANNING, FREEZING, PRESERVING INDUSTRIES

SEVENTY-THIRD EDITION, PUBLISHED AT WESTMINSTER, MARYLAND

1988

SECTION INDEX

Detailed Index to Contents 3

I—Association and FDA Personnel 14

II—Food Law and Regulations 31

III—Labeling and Packaging 88

IV—Emergency Permit Control-Good Mfg. Practice . . . 168

V—FDA Standards of Identity, Quality, Fill 219

VI—Quality Grade Standards, U.S.D.A. 332

VII—Raw Product Statistics 490

VIII—Pack Statistics, U.S. 526

IX—International Trade and World Packs 584

X—Canned Food Prices 605

XI—Appendix 612

XII—Buyers Guide, Machinery, Supplies, Services . . . 651

Index to Advertisers 698

Since 1916— The Industry's Indispensable Reference Manual

THE ALMANAC

OF THE CANNING, FREEZING, PRESERVING INDUSTRIES

1988

73rd Annual Compilation of Basic References for the Canning, Freezing, Preserving and Allied Industries

•

$37 in USA
$45 outside USA

Copyright © 1988 by Edward E. Judge & Sons, Inc.

EDWARD E. JUDGE & SONS, INC.
P.O. BOX 866
WESTMINSTER, MD 21157
U.S.A.

Tel. 301-876-2052

INDEX TO CONTENTS

(See also pages 32 & 33)

The section index on the front cover reveals the basic layout of this reference. Additionally, there's an index on the first page of the larger sections, and an index to the Buyer's Guide. Indices to the Food & Drug Act and the Code of Federal Regulations appear on pages 32 and 33.

In this detailed index, the editors have made every effort to cross index as far as possible without making it too bulky and cumbersome. The volume of detail included in this work, however, creates a near impossible indexing problem.

For best results new users are urged to spend some time familiarizing themselves with Almanac contents.

Bear in mind that this 73rd edition, with the exception of some last minute changes where noted, is updated to August 15, 1988.

- ACIDIFIED FOODS ... 209
- ACREAGE, Veg. for Processing ... 490
- ADDITIVE, Definitions ... 34, 61
- ADDITIVES, Color ... 75
- ADDITIVES, Food (Sec. 409) ... 56
- ADDRESSES, Assn. Officers ... 14
- ADDRESSES, Food & Drug Offices ... 27
- ADDRESSES, U.S.D.A., Grading Offices ... 335
- ADULTERATED FOOD ... 42
- ADVERTISING AND MISBRANDING ... 83
- ALCOHOL - Insoluble solids test, peas ... 305
- APPENDIX ... 612
- APPENDIX A - Part 101 ... 129
- ARBITRATION ... 335
- ARTIFICIAL SWEETENERS ... 65, 67
- ASPARTAME ... 65
- ASSOCIATIONS OF THE INDUSTRY ... 14
- AUTHORITY, FDA ... 71
- BABY FOOD LABELING ... 141
- BUYER-SELLER GUARANTEE ... 90, 91
- BUYER'S GUIDE - Machinery supplies Services ... 651
- CAN PRICES ... 165, 166
- CAN SHIPMENTS ... 167
- CAN SIZE CONVERSION ... 162
- CANCER CLAUSE ... 57, 76
- CANNED FOOD PRICES ... 605
- CANNING REGS. - U.S.D.A. ... 627
- CASE EQUIVALENTS, Various Size Cans ... 163
- CASE SHIPPING WEIGHTS ... 616, 617
- CATEGORIES, FOOD ... 61
- CENSUS, Industry ... 577
- CHOLESTEROL, Labeling ... 108, 119, 120
- CODEX REVIEW ... 220
- COLOR ADDITIVES ... 75
- COMMON OR USUAL NAMES (Part 102) ... 131
  - Beverages, Orange Juice, dil. (§102.32) ... 134
  - Beverages, non carbonated (§102.30) ... 134
  - Beverages, diluted, other (§102.33) ... 134
  - Bonito (§102.47) ... 136
  - Clams, Fried (§102.49) ... 136
  - Crabmeat (§102.50) ... 136
  - Dinners, Main Dishes (§102.28) ... 133
  - Dinners, Froz. Heat & Serve (§102.26) ... 132
  - Fat and Oil Mixtures (§102.37) ... 135
  - Fish Sticks or Portions (§102.45) ... 135
  - Onion Rings (§102.39) ... 135
  - Pacific Whiting (§102.46) ... 136
  - Peanut Spreads (§102.23) ... 132
  - Potato Chips from dried pot. (§102.41) ... 135
  - Protein substitutes (Vegetable) ... 136
  - Seafood Cocktails (§102.54) ... 136
  - Shrimp Units, non-stdized. (§102.55) ... 136
  - Turbot, Greenland (§102.57) ... 136
- COMPLIANCE, FDA STDS. ... 227
- COMPLIANCE, U.S.D.A. GRADE ... 337
- CONSUMPTION (per capita)
  - CANNED, FROZEN, FRESH FOOD ... 621
- CONTAINER SIZE CONVERSION ... 162
- CONTAMINANTS, UNAVOIDABLE ... 179
- CONVENTION CITIES ... 12, 13, 14
- CONVENTION DATES AND CITIES, ASSOCIATION ... 12, 13, 14
- CONVERSION FACTORS
  - Various Size Cases ... 163
  - Can and Glass ... 162
  - Metric System Equivalents ... 613
  - Raw and Processed Weight Equiv. ... 614, 615
- CROP STATISTICS, Vegetables-
  - Acreage, Yield, Production, Price paid to growers, Value ... 490
  - Asparagus ... 508
  - Beans, Snap ... 491
  - Broccoli ... 509
  - Carrots ... 510
  - Cauliflower ... 512
  - Corn, Sweet ... 494
  - Mushrooms ... 515
  - Peas ... 498
  - Pickles (cucumbers) ... 496
  - Sweet Potatoes ... 514
  - Tomatoes ... 501
  - Summary-by-commodity ... 504

INDEX TO CONTENTS—Continued

- CROP STATISTICS, VEGETABLE—*Continued*
  - Summary-by-State 505, 506, 507
- CROP STATISTICS, FRUIT-
  - Utilization Price, Value 516
  - Apples 516
  - Apricots. 522
  - Cherries. 518, 519
  - Cranberries. 522
  - Grapefruit. 521
  - Olives, California 523
  - Oranges. 520
  - Peaches 523
  - Pears 524
- DEFECTS, UNAVOIDABLE 43, 179, 191
- DEFINITIONS, Additives. 34, 61
- DEFINITIONS, Chap. II FFD&CA 34
- DEFINITIONS, Labeling 97, 98
- DEFINITIONS (Part 113) 192
- DEFINITIONS (Part 114) 209
- DEFIN. AND PROCEDURES (Part 145). . . . 226
- DEFIN. AND PROCEDURES (Part 155). . . . 279
- DEFINITIONS AND STDS. (Part 130) 220
- DELANEY CLAUSE 57
- DENSITY, SYRUP . . . . . 226, 337 and Indiv. Std.
- DESCRIPTIVE LABELING. 145
- DIETARY FOOD REGS (Part 105) 140
- DRAINED WT. DETERMINATION . . . 227, 336
- DRAINED WEIGHT TABLES . . . . Indiv. Grade
- EMERGENCY PERMIT CONTROL. 43, 170
- ENERGY CONSUMED 583
- EPA REFERENCES. 48, 49, 52, 183
- EQUIPMENT & PROCEDURES, low acid foods, GMP's - (§113.40) 193
- EXEMPTIONS (§101.100) 111, 122
- EXPENDITURES, Food 625
- EXPERIMENTAL PACKS 223
- EXPORT MARKETS - U.S. 590
- EXPORTS CANNED & FROZEN 585
- FACTORY INSPECTION 74
- FAIR PACKAGING & LABELING ACT. 94
- FAT AND FATTY ACIDS (§101.25) 120
- FEDERAL FOOD, DRUG & COSMETIC ACT AND REG. . . . 31, 32, 33, 34, 91
- FDA DEFINITIONS AND PROCEDURES (Part 145) 226
- FDA FIELD OFFICES & INSPECTORS. 27
- FDA STANDARDS, IDENTITY, QUALITY FILL 219
- FDA/USDA/EPA working relationship 49
- FILL OF CONTAINER. . . 221, 224, 336, Indiv. Std.
- FILL WEIGHT . . . . Indiv. Fruit Grade
- FISH GRADES (U.S.), FROZEN (Ref.) 485
- FISH INSPECTION. 74, 327
- FOOD ADDITIVES. 34, 56, 59, 75,224
- FOOD ADDITIVES IN STANDARDIZED FOODS 63
- FOOD & DRUG OFFICES. 27
- FOOD CATEGORIES. 61
- FOOD LAW & REGULATIONS 31
- FOOD & DRUG REGS-FFD&CA and FPLA . . . 98
- FOODSERVICE ANALYSIS 626
- FORTIFICATION POLICY 138
- FROZEN FOOD HANDLING CODE 214
- FROZEN DINNERS 132, 139
- FROZEN FOOD PACKS 560
- FUELS & ELEC. ENERGY CONSUMED. . . 583
- GLASS CONTAINER SHIPMENTS. 167
- GOOD MANUFACTURING PRACTICES. 168-213
  - Aseptic Processing 201
  - Coding 205
  - Containers. 204
  - Continuous Agitating Retorts 198
  - Discontinuous Agitating Retorts 199, 200
  - Part 108-Emergency Permit 168
  - Part 110-Sanitation. 184
  - Part 113-Low Acid Foods 191
  - Part 114-Acidified Foods 209
  - Part 118-Cacao Products-Source ref. only. . . 213
  - Part 123-Frozen Raw breaded shrimp 213
  - Part 129-Bottled Drk. Water-(source ref.). . . 213
  - Personnel (Sanitation) 185, 188, 209
  - Pet Foods (Same as Part 113). 191
  - Plants & Grounds 186
  - Process & Controls. 188, 206, 209
  - Product Preparation 206
  - Records, Processing, Production 174, 208
  - Retorts, Continuous agitating. 198
  - Retorts, Discontinuous agitating 199, 200
  - Retorts, Flame Sterilizer 204
  - Retorts, Hydrostatic 201
  - Retorts, Still. 193, 196
  - Sanitary Facilities. 187
  - Sanitary Operations 186
  - Warehousing/Distrib. 190
  - Water Activity 204
- GOVERNMENT PURCHASES. 618-620
- GRADE DETERMINATION 337
- GRADE IDENTIFICATION MARKS. 338
- GRADE STANDARDS (U.S.D.A.)-CANNED FOODS. 332
  - Apples 342
  - Apple Juice. 343
  - Applesauce 345
  - Apricots 347, 351
  - Asparagus. 353
  - Beans, Baked 363
  - Beans, Dried. 361
  - Beans, Lima 366
  - Beans, Snap 359
  - Beets 368
  - Carrots. 370
  - Cherries, RTP. 372
  - Cherries, Sweet 374
  - Corn, C.S. 378
  - Corn, W.K. 380
  - Drained Weight Determination 227, 336
  - Fish Grades (U.S. Frozen, Reference) 485
  - Fruit Cocktail. 382
  - Fruits for Salad 386
  - General Requirements 336
  - Grades Issued, List of. 333
  - Grading Offices 335
  - Grapefruit. 389
  - Grapefruit Juice. 391
  - Grapefruit-Orange Juice. 396
  - Identification Marks 338
  - Jelly, Fruit 385
  - Mushrooms 396
  - Orange Juice. 398
  - Peaches, Cling 401
  - Peanut Butter. 406
  - Pears 408

INDEX TO CONTENTS—Continued

GRADE STANDARDS (USDA)—*Continued*
  Peas 411
  Peas, Blackeye 413
  Pickles 414
  Pimientos 419
  Pineapple Juice 423
  Pork & Beans 365
  Potatoes, Sweet 425
  Potatoes, White 429
  Preserves, Jams 434
  Sampling Plans 338
  Sanitation, Plant 184, 341
  Sardines, Maine (Not U.S.) 485
  Sauerkraut 438
  Sirup Density . . . . 226, 337 and Indiv. Std.
  Spinach 440
  Tangerine Juice 446
  Tomatoes 446
  Tomato Catsup 448
  Tomato Juice 450
  Tomato Juice Concentrate 451
  Tomato Paste 452
  Tomato Puree (Pulp) 452
  Tomato Sauce 454
GRADE STANDARDS (U.S.D.A.)-
  FROZEN FOODS 455
  Beans, Snap 455
  Beans, Lima 459
  Broccoli 460
  Carrots 465
  Cherries 469
  Corn, W.K. 470
  Corn-on-the-Cob 471
  Grapefruit Juice 391
  Leafy Greens 475
  Orange Juice Concentrated 401
  Peas 477
  Pineapple Juice 423
  Potatoes, French Fried 479
  Potatoes, Hash Brown 482
  Spinach 475
  Strawberries 484
  Tomato Juice 450
GRADES ISSUED, LIST 333
GRADES (U.S.) FROZEN FISH (Ref.) 485
GRADES, Maine Sardine 485
GRAS ELIGIBILITY (§170.30) 64
GRAS LIST REVIEW 59
GROWERS PRICES, CANNING CROPS 490
GUARANTEE, BUYER-SELLER 90, 91
HEADSPACE 337
HEARINGS, FDA 39, 57
IDENTITY STANDARDS, FDA 219
IMPORTS & EXPORTS (LAW) 84
IMPORTS, CANNED FOODS, U.S. 587, 592
IMPORTS, OTHER COUNTRIES 593
INDEX, Code of Fed. Reg. Parts 1-199 33
INDEX, FFD&CA 32
INFANT FORMULA LABELING 141
INFANT FORMULA
  (Ref. only-Parts 106 & 107) 144
INFANT FORMULA ACT, Ref. 35
INFORMATION PANEL ON LABEL 100
INGREDIENT FUNCTIONS 62
INGREDIENT LABELING (§101.4) . . . 103, 106
INGRED. IN STANDARDIZED FOODS 106
INJUNCTION PROCEEDINGS 36
INSPECTION, FDA 74, 324
INSPECTION, USDA 334
INTERNATIONAL TRADE 584
IRRADIATION (Part 179) 66
LABEL MEASUREMENT 164
LABELING & PACKAGING 88
  Agreement 90, 91
  Artificial Coloring 92
  Artificial Flavoring 92
  Baby Foods 141
  Caloric Intake or body weight 142
  Chemical Preservatives 92
  Cholesterol 108, 119, 120
  Colorings 92, 116
  Common or Usual Names (Part 102) 131
  Conspicuousness 91
  Container Size Conversion 162
  Contents, Statements, Net 124, 128, 153
  Descriptive Labeling Recommendations . . . 145
  Diabetics, Labeling 143
  Dietary Foods (Law & Reg)(Part 105) 140
  Exemptions 93, 111, 122, 128
  Experiments, Temporary (§101.108) 128
  Fair Packaging & Labeling Act 94
  Fat and Fatty Acids §101.25 120
  Flavorings 92, 116
  Fortification Policy §104.20 138
  Frozen Dinners 132, 139
  Health Messages 112
  Imitation 91, 102
  Infant Food §105.65 141
  Information Panel 100
  Ingredients, (§101.4), (§101.6) 103, 106
  Kosher Foods §101.29 121
  Label Measurement 164
  Labeling Experiments (§101.108) 128
  Labeling Regulations 98
  Labeling Regs.-Effective dates 88
  Misbranding (§403) 91, 116
  Monosodium glutamate (§101.35) 121
  Name and address 91
  Net Contents Statements 124, 151
  Net Contents Variation
    (Proposed §101.106) reference 128
  Nonstandardized Foods, Part 102B 132
  Nutrition Labeling (§101.9) 107
  Nutritional Quality Guidelines (Part 104) . . . 137
  Order 108
  Peanut Spreads (§102.23) 132
  Potassium 110
  Preservatives 92
  Principal Display Panel 100
  Prominence 114
  Quantity Statement 107, 152
  Regulations enforcement 98
  Responsibility for Correct Labels 89
  Restaurant Foods 113
  Saccharin 92
  Sample Labels 149, 150
  Servings, Number of 106
  Shipment of Unlabeled Goods, agreement 90
  Sodium Content Labeling 110, 113, 144
  Sodium (Salt) 144
  Solid Content wt. declaration proposal
    (footnote ref. only) 124
  Spices, Flavorings, Colorings 116

INDEX TO CONTENTS—Continued

LABELING—*Continued*
  Sub-Standard Label Legend 222
  Sulfite Determination 129
  Sulfiting agents 123
  Surimi 103
  Warning Statements §101.17 115
  Weights, Drained Sec. VI
  Weights, Label (net content) 152
LOT COMPLIANCE 337
LOW-ACID FOODS 171, 191
MEAT & POULTRY CANNING REGULATIONS-USDA 622
METRIC SYSTEM EQUIVALENTS 613
MICROBIOLOGICAL STANDARDS, RECOMMENDED, Reference only 137
MISBRANDED FOODS (§403 FFD&CA) 91
MISBRANDING (§101.18) 116
MILITARY PURCHASES 618, 620
MOLD COUNT & ROT (§100.145) 296
MONIER WILLIAMS PROCEDURE 129
NET CONTENTS DECL. 124, 152
NUTRITIONAL LABELING (§101.9) 107
NUTRITIONAL QUALITY GUIDELINES (Part 104) 137
NUTRITIVE SWEETENERS-DEFINITIONS & STDS. 318
NUTRITIVE SWEETENERS IN DIET BEVERAGES (§100.130) 68
OYSTERS, CANNED INSPECTION 324, 341
PACK STATISTICS, U.S.—CANNED FISH - BY STATE 553
  Clams 553
  Crabmeat 553
  Oysters 553
  Salmon 555
  Sardines, Maine 553
  Shrimp 553
  Tuna 556
  Other (incl. specialties) 553
PACK STATISTICS, U.S.—CANNED FRUIT & FRUIT JUICE 545
  Apples* 545
  Apple Juice* 546
  Applesauce* 546
  Apricots 547
  Baby Food* 559
  Blackberries* 545
  Blueberries* 545
  Cherries, Red Tart 548
  Cherries, Sweet 548
  Cranberry Sauce* 545
  Fruit Cocktail 549
  Fruits for Salad 549
  Grapefruit* 549
  Grapefruit Juice 550
  Grapefruit-Orange Juice 550
  Mixed Fruits 549
  Olives, Ripe & Green Ripe 558
  Orange Juice 550
  Peaches 551
  Pears 552
  Pie Fillings, fruit* 558
  Pineapple & Pineapple Juice* 545
  Plums 552
  Prune Juice* 559
  Summary All Fruits, Tots 545
PACK STATISTICS, U.S.—CANNED MEATS 557
  Meat Sauces 558
PACK STATISTICS, U.S.—CANNED SPECIALTIES* 558, 559
  Baby Food 559
  Barbecue Sauce 544
  Beans, Baked 558
  Beans, Dry 558
  Hominy 558
  Jams & Jellies 558
  Juices, other 559
  Mushrooms 558
  Mustard 558
  Peanut butter 558
  Pickles 558
  Poultry 559
  Vinegar & Cider 558
PACK STATISTICS, U.S.—CANNED VEGETABLES 527
  Asparagus 528
  Beans, Green 529
  Beans, Lima 531
  Beans, Wax 529
  Beets 532
  Carrots 532
  Chili Sauce 543
  Corn 533
  Greens, Leafy* 527
  Okra* 527
  Peas 535
  Peas, Blackeye* 538
  Peas, Field* 538
  Peas and Carrots* 527
  Pimientos* 527
  Potatoes, Sweet 539
  Potatoes, White 539
  Pumpkin* 538
  Sauerkraut 540
  Spinach* 540
  Succotash* 527
  Summary All Veg. Tots 527
  Tomatoes 541
  Tomato Catsup 543
  Tomato Juice* 543
  Tomato Paste 542
  Tomato Pulp (Puree) 544
  Tomato Sauce* 544
PACK STATISTICS, U.S.—CONVENIENCE MEAT PRODUCTS 557
  Dinners 557
  Entrees 557
  Pies 557
  Pizza 557
PACK STATISTICS, U.S.—FROZEN FRUITS 571
  Apples 571
  Blackberries 572
  Blueberries 573
  Cherries, RSP 572
  Juices, Citrus & non citrus 574
  Peaches 572
  Raspberries, Red 573
  Strawberries 573
  Summary 571

---

*Pack figures for recent years not available.

INDEX TO CONTENTS—Continued

PACK STATISTICS, U.S.—FROZEN VEGETABLES ... 560
  Asparagus ... 561
  Beans, Green ... 561
  Beans, Italian ... 561
  Beans, Lima ... 562
  Beans, Wax ... 562
  Broccoli ... 563
  Brussels Sprouts ... 563
  Carrots ... 564
  Cauliflower ... 565
  Corn ... 565
  Mixes ... 570
  Okra ... 566
  Onions ... 566
  Peas ... 567
  Peas, Blackeye ... 567
  Potatoes ... 568
  Pumpkin & Squash ... 568
  Spinach ... 568
  Squash, Summer ... 569
  Summary, All Veg. Totals ... 560, 561
  Zucchini ... 569

PACK STATISTICS, U.S.—FROZEN SPECIALTIES ... 559
  Baked Goods ... 559
  Dinners, Pies, etc ... 559

PACK STATISTICS, WORLD—CANNED ... 601
  Argentina ... 601
  Australia ... 601, 602
  Canada ... 601, 602, 603, 604
  Chile ... 601
  France ... 602, 603, 604
  Germany, West ... 601, 602, 603
  Greece ... 602, 603
  Italy ... 602, 603, 604
  Ivory Coast ... 602
  Japan ... 601, 603
  Korea, Rep. ... 603
  Mexico ... 602, 604
  Philippines ... 602
  Portugal ... 603, 604
  South Africa ... 602
  Spain ... 601, 603, 604
  Taiwan ... 602, 603
  Thailand ... 602
  Turkey ... 604
  United Kingdom ... 603, 604
  United States ... 526
PACKAGING SECTION ... 88
PCB's ... 182, 183
PENALTIES, FDA ... 36
PER CAPITA CONSUMPTION ... 621
PESTICIDE REFERENCES ... 48, 49
PESTICIDES, NFPA'S PROTECTIVE SCREEN PROGRAM ... 52-55
PESTICIDES (§408) ... 44
PESTICIDES IN PROCESSED FOOD ... 64
PRESIDENTS, NAT'L ASSN'S ... 12
PRICES, CAN ... 165, 166
PRICES, CANNED FOODS ... 605
PRICES, FRUIT CROPS ... 516
PRICES, PAID GROWERS ... 490
PRINCIPAL DISPLAY PANEL-LABEL ... 100
PRIOR SANCTION ... 61
PROCESS FILING ... 172
PROHIBITED ACTS, FDA ... 35
PRODUCTION, CANNERS CROPS ... 490
QUALITY GRADES, U.S.D.A. ... 332
QUALITY GUIDELINES, NUTRITIONAL ... 137
QUALITY STANDARDS, FDA ... 219
RAW PRODUCT CONTAMINATION PREVENT ... 52
RAW PRODUCT STATISTICS ... 490
RECALL GUIDELINES (FDA) ... 175
RECORDS, INTERSTATE SHIPMENT ... 74
REDNESS DEFINED ... 279
REGISTRATION, PLANT ... 172
REGULATORY ACTIVITIES - AGENCY AGREEMENT ... 49
ROT, TOMATO (§100.145) ... 296
SACCHARIN ... 67, 92
SALT ... 144, 279, 304
SAMPLE LABELS ... 149, 150
SAMPLING ... 227, 338
SANITATION, GMP (Part 110) ... 184
SANITATION REQUIREMENTS, FDA and USDA ... 184, 341
SARDINE GRADES ... 485
SEAFOOD INSPECTION ... 74, 324
SEIZURE ... 38
SHIPPING WEIGHTS, CASES ... 616, 617
SHIPMENT RECORDS (LAW) ... 74
SHRIMP INSPECTION ... 324
SHRIMP STANDARDS (FDA) ... 309
SIRUP DENSITY ... 226, 337 and Indiv. Std.
SODIUM (salt) ... 110, 113, 144, 146
SOLUBLE SOLIDS, DEFINED ... 279
STANDARDS OF IDENTITY, QUALITY, AND FILL OF CONTAINER FOR CANNED AND FROZEN FOODS, FDA ... 219
  Applesauce ... 229
  Apricots ... 230
  Artichokes ... 297
  Asparagus ... 297
  Bean Sprouts ... 297
  Beans, Butter ... 297
  Beans, Lima ... 297
  Beans, Shelled ... 297
  Beans, Green & Wax ... 280
  Beets ... 297
  Beet Greens ... 297
  Berries ... 232
  Broccoli ... 297
  Brussels Sprouts ... 297
  Cabbage ... 297
  Cane Sirup ... 320
  Carrots ... 297
  Cauliflower ... 297
  Celery ... 297
  Cherries ... 234
  Cherry Pie, Frozen ... 278
  Collards ... 297
  Corn ... 284
  Dandelion Greens ... 297
  Definitions and Standards (Part 130) ... 220
  Definitions and Procedures (Part 145) ... 226
  Definitions (Part 155) ... 279
  Dextrose ... 318
  Experimental Packs, Temp. permits ... 223
  Figs ... 237
  French Dressing ... 322

INDEX TO CONTENTS—Continued

STANDARDS, FDA—*Continued*
- Fruit Butters 271
- Fruit Cocktail 240
- General Regulations (Part 130) 220
- Glucose 319
- Grapefruit 244
- Grapefruit Juice 263
- Grapes 242
- Jams or Preserves 275, 280
- Jellies 272, 274
- Kale 297
- Lactose 319
- Lemon Juice 261
- Lemonade, Frozen Concentrate 262
- Maple Syrup 320
- Mayonnaise 322
- Milk 225
- Mushrooms 300
- Mustard Greens 297
- Nutritive Sweeteners 318
- Okra 297
- Onions 297
- Optional Ingredients FDA Product Std.
- Orange Juice & Products 264
- Oysters 306
- Parsnips 298
- Peaches 246
- Peanut Butter 318
- Pears 250
- Peas, Blackeye 298
- Peas, Green, Canned 287, 289
- Peas, Green, Frozen 304
- Peas, Field 298
- Peppers, Green Sweet, Red Sweet 298
- Pimientos 298
- Pineapple 253
- Pineapple Juice 268
- Plums 257
- Potatoes, White 298
- Potatoes, Sweet 298
- Preserves, Jams 275, 280
- Prunes 259
- Prune Juice 270
- Rutabagas 298
- Salad Dressing 323
- Salmon, Canned 308
- Salsify 298
- Sampling and Acceptance Procedures 227
- Shrimp, Canned 309
- Shrimp, Frozen Breaded 309
- Sirups 319
- Sorghum Sirup 320
- Spinach 298
- Sub-Standard Label Legend 222
- Sugars & Syrups Definitions 226, 318
- Sweeteners, Nutritive 318
- Sweet Potatoes 298
- Swiss Chard 298
- Table Sirups 320
- Tomatoes 290
- Tomato Catsup 294
- Tomato Concentrates 292
- Tomato Juice 292, 301
- Tom. Juice Conc. See "Tomato Concentrates"
- Tomato Paste See "Tomato Concentrates"
- Tom. Puree, Pulp See "Tomato Concentrates"
- Truffles 298
- Tuna, Canned 312
- Turnip Greens 298
- Turnips 298
- Subpoenas 42
- Tolerance for Poisonous Ingredients 43
- Tolerances - Unavoidable Defects 179, 194
- Vegetables, Misc. 297
- Violations, Minr., Report of 42

STANDARDS, QUALITY GRADE
- See GRADE STDS., U.S.D.A. 332

STOCKS & SHIPMENTS, Canned & Frozen
- Apples 575
- Apricots 547, 575
- Asparagus 528
- Beans, Green & Wax 530, 562
- Beans, Lima 531
- Blackberries 575
- Blueberries 575
- Broccoli 563
- Carrots 564
- Cherries 575
- Corn 535, 566
- Peaches 551, 575
- Peas 538, 567
- Raspberries 575
- Spinach 569
- Strawberries 575
- Tomatoes 542

SUBSTANDARD STATEMENTS 222
SUGARS AND SIRUPS DEFINITION 226, 318
SULFITE DETERMINATION
- Monier-Williams (modified) 129

SULFITING AGENTS 123
SURIMI 103
TELEPHONE NOS., ASSN. OFFICES 14
TELEPHONE NOS., FDA OFFICES 27
TELEPHONE NOS., U.S.D.A. GRADING OFFICES 335
TEMPORARY PERMITS (§130.17) 223
TIN PLATE COATING WEIGHTS 164
TOLERANCES, FDA, NATURAL & UNAVOIDABLE SUBSTANCES 43
UNAVOIDABLE DEFECTS 43, 179, 191
U.S. CENSUS (Canned, Glasspacked, Frozen Foods) 577
U.S.D.A. INSPECTION OFFICES 335
U.S.D.A. INSPECTION SERVICE 334
U.S.D.A. QUALITY GRADE STANDARDS, (Voluntary) 332
U.S. FOOD & DRUG DISTRICT OFFICES 27
UTILIZATION FRUIT CROPS 516
VALUE OF PROCESSING CROPS 490
VALUE OF FRUIT CROPS 516
VITAMINS & MINERALS 70
WATER ACTIVITY DEFINED §114.3(h) 209
WATER CAPACITY, DETERMINING (§130.12) 221
WATER, bottled (ref.) 69, 213
WEIGHTS
- Drained Weight Determination 227, 336
- Drained Weights Indiv. Grade
- Fill Weight Indiv. Fruit Grade Stds.
- Label Weights 152
- Shipping Weights, Cases 616

WORLD PACKS 601
YIELD PER ACRE CANNERS CROPS 490

THE ALMANAC

OF THE CANNING, FREEZING, PRESERVING INDUSTRIES

Section III

LABELING AND PACKAGING

See also FFD&CA SECTION INDEX and CFR PART INDEX on pages 32 and 33

REFERENCES IN THIS SECTION

CAN & GLASS CONTAINER SHIPMENTS....... 167
CAN PRICES.......................... 165, 166
CASE EQUIVALENTS.......................... 163
CONTAINER SIZE CONVERSION............... 162
TIN PLATE COATING WTS..................... 164
LABELING
  Cholesterol.......................... 108, 119, 120
  Common or Usual Name (Part 102).............. 131
  Descriptive Labeling.......................... 145
  Dietary Foods (Part 105)...................... 140
  Exemptions, Nutrition Labeling................ 111
  Exemptions, General (§101.100)................ 122
  Fair Packaging & Labeling Act.................. 94
  Fat and fatty acids, cholesterol (§101.25)........ 120
  Information Panel (§101.2).................... 100
  Ingredients (§101.4)(§101.6)............... 103, 106
  Label Measurements.......................... 164
  Misbranded Food (§403).................... 91, 116
  Net Contents............................ 124, 152
  Nutrition Labeling (§101.9)................... 107
  Nutritional Quality Guidelines (Part 104)........ 137
  Principal Display Panel (§101.1)................ 100
  Regulations Under FD&CA & FPLA............. 98
  Saccharin.................................... 92
  Sample Label...................... 148, 149, 150
  Sodium Content Labeling............ 110, 113, 144
  Sulfite Determination......................... 129
  Sulfiting Agents.............................. 123
  Surimi.. 103
  Weights, Label................................ 152

REFERENCES IN OTHER SECTIONS

CFR (Regulations) Index Part 1-199............... 33
FFD&CA Chapter Index.......................... 32
Food, Drug & Cosmetic Act................... 34, 91
Standards, Identity, Quality, Fill................ 219
Substandard Labels, Legend..................... 222
U.S. Grade Standards........................... 332
WEIGHTS, Case Shipping.................. SEC. XI
WEIGHTS, Drained......................... SEC. VI

MANDATORY UNIFORM EFFECTIVE DATES FOR LABELING REGS.

(51 FR 34085, 9/25/86)

(1) January 1, 1989, for all final orders published (FR) after July 1, 1986, and before January 1, 1988.
(2) July 1, 1987, for all final orders which specified July 1, 1987 as the effective date.
(3) Earlier effective dates (e.g. July 1, 1985) not affected.
(4) Regulations involving special circumstances justifying a different effective date - data as specified in order.

INTRODUCTION

In a publication of this kind, there are necessarily many cross references having to do with so important a subject as labeling and packaging. As an example Section V, "Standards of Identity, etc." contains labeling regulations for each of the specific products standardized. And there are many other such instances. As far as possible, however, without seriously disturbing the continuity of other sections, many of the major references to Labeling and Packaging have been grouped in this section under main headings. To facilitate reference to other important labeling matters that could not be brought into this section, indexes are provided above and under main headings where necessary, in addition to the General Index in the front of this Almanac and the CFR Part Index at the beginning of Section II.

CAN PRICES

(Per 1000 cans)

Prices, 1931 thru 1947, are for hot dip cans basis 1.50 lbs. tin per base box throughout. Since the advent of electrolytic tin plating during World War II, very few commodities are packed in cans made entirely by the hot dipped process. See description of symbols at end of table. Prices FOB Baltimore at time of shipment, no discounts reflected; thru 1971 during seasonal packs; 1972-75 avg. yearly price; 1976-80 during seasonal packs, 1981 and thereafter effec. April 1.

Year	8Z Tall 211x304	No. 1 Pic 211x400	No. 303 303x406	No. 2 307x409	No. 2½ 401x411	No. 3 cyl. 404x700	No. 10 603x700
1931	.....	$14.40	.....	$19.99	$25.21	[a]$27.19	$60.33
1932	.....	13.95	.....	19.32	24.36	[a]26.24	58.46
1933	.....	13.05	.....	17.97	22.66	[a]24.34	54.71
1934, 1935 and 1936	.....	14.85	.....	20.67	26.06	[a]28.14	62.21
1937	.....	14.66	.....	19.02	23.06	[a]25.89	57.23
1938	.....	14.56	.....	20.32	24.71	[a]27.79	60.93
1939	.....	13.93	.....	19.41	23.56	[a]25.46	58.34
1940 thru 1946	.....	13.85	.....	19.00	22.60	[a]26.46	57.20
1947	.....	16.05	.....	21.63	26.19	40.93	65.69
1948 Hot Dipped, 1.50	.....	18.24	.....	24.61	30.05	46.26	74.51
1948 Electrolytic, .50 i.e.	.....	17.80	.....	23.78	29.41	45.83	75.09
1949 Hot Dipped, 1.50	.....	20.20	.....	27.29	33.52	51.05	82.41
1949 Electrolytic, .50 i.e.	.....	19.31	.....	25.81	32.05	49.47	81.14
1950 Hot Dipped, 1.50	.....	19.89	24.75	26.75	32.88	50.12	81.05
1950 Electrolytic, .50 i.e.	.....	19.27	23.69	25.66	31.91	49.23	80.89
1951 Hot Dipped, 1.50	.....	22.59	28.03	30.88	38.37	57.87	93.60
1951 Electrolytic, .50 i.e.	.....	21.37	26.38	29.07	36.21	55.26	90.48
1952 Hot Dipped, 1.50	.....	22.49	27.95	30.62	37.95	57.34	92.68
1952 Electrolytic, .50 i.e.	.....	21.27	26.25	28.64	35.66	54.73	89.56
1953 Hot Dipped, 1.50	21.36	23.46	29.20	31.98	39.66	59.85	96.75
1953 Electrolytic, .50 i.e.	20.28	22.21	27.46	29.96	37.32	57.17	93.56
1953 Electrolytic, .25 i.e.	19.90	21.78	26.88	29.29	36.50	56.03	91.67
1957 Hot Dipped, 1.50	24.97	27.50	34.24	37.48	47.73	72.29	117.01
1957 Electrolytic, .50 i.e.	23.93	26.30	32.60	35.68	45.53	69.72	113.93
1957 Electrolytic, .25 i.e.	23.55	25.87	32.02	35.04	44.72	68.60	112.09
1957 Differential	23.59	25.94	32.18	35.18	44.79	68.33	110.97
1961 Hot Dipped, 1.50	24.82	29.20	33.61	38.03	47.98	76.30	124.08
1961 elect. #25 E.I.	23.47	27.64	31.43	35.53	45.07	72.65	119.26
1961 diff. B 50/25; E 25 i.e.	23.84	28.06	32.00	36.18	45.87	73.77	121.11
1961 diff. B 75/25; E 25 i.e.	23.39	27.57	31.42	35.48	44.86	72.03	117.53
1961 diff. B 100/25; E 25 i.e.	23.48	27.68	31.57	35.64	45.05	72.34	117.97
1963 Hot Dipped, 1.50	25.65	30.29	34.81	39.43	49.64	77.17	126.44
1963 elect. #25 E.I.	24.30	28.73	32.63	36.93	46.73	73.52	121.62
1963 diff. B 50/25; E 25 i.e.	23.86	28.22	32.02	36.24	45.76	71.66	118.13
1963 diff. B 75/25; E 25 i.e.	24.22	28.66	32.64	36.88	46.52	72.90	119.89
1963 diff. B 100/25; E 25 i.e.	24.31	28.77	32.77	37.04	46.71	73.21	120.33
1963 elect. #25 E.I.*	23.74	.....	31.64	.....	.....	.....	......
1963 diff. B 50/25; E 25 i.e.*	23.30	.....	31.03	.....	.....	.....	......
1963 diff. B 75/25; E 25 i.e.*	23.66	.....	31.63	.....	.....	.....	......
1963 diff. B 100/25; E 25 i.e.*	23.75	.....	31.78	.....	.....	.....	......
1967 elect. #25 E.I.	26.53	31.28	35.45	40.49	51.16	79.16	131.77
1967 diff. B 50/25; E 25 i.e.	26.09	30.77	34.84	39.80	50.19	77.30	128.28
1967 diff. B 75/25; E 25 i.e.	26.45	31.21	35.44	40.44	50.95	78.54	130.04
1967 diff. B 100/25; E 25 i.e.	26.45	31.32	35.59	40.50	51.14	78.85	130.48
1967 elect. #25 E.I.*	25.98	.....	34.48	.....	.....	.....	......
1967 diff. B 50/25; E 25 i.e.*	25.54	.....	33.87	.....	.....	.....	......
1967 diff. B 75/25; E 25 i.e.*	25.90	.....	34.47	.....	.....	.....	......
1967 diff. B 100/25; E 25 i.e.*	25.99	.....	34.62	.....	.....	.....	......
1969 elect. #25 E.I.	28.67	33.63	38.19	44.49	56.24	87.91	149.32
1969 diff. B 50/25; E 25 i.e.	28.46	33.40	37.95	44.20	55.74	86.83	146.93
1969 diff. B 75/25; E 25 i.e.	28.78	33.78	38.47	44.76	56.41	87.91	148.47
1969 diff. B 100/25; E 25 i.e.	29.00	34.06	38.85	45.16	56.88	88.69	149.57
1969 elect. #25 E.I.*	28.36	.....	37.89	.....	.....	.....	......
1969 diff. B 50/25; E 25 i.e.*	28.14	.....	37.64	.....	.....	.....	......
1969 diff. B 75/25; E 25 i.e.*	28.46	.....	38.17	......	.....	.....	......
1969 diff. B 100/25; E 25 i.e.*	28.68	.....	38.54	.....	.....	.....	......
1971 elect. #25 E.I.	33.58	39.26	44.80	51.95	66.19	102.70	174.65
1971 diff. B 50/25; E 25 i.e.	33.46	39.14	44.71	51.82	65.88	101.93	172.70
1971 diff. B 75/25; E 25 i.e.	33.73	39.48	45.15	52.20	66.45	102.85	174.02
1971 diff. B 100/25; E 25 i.e.	34.00	39.80	45.61	52.72	67.02	103.79	175.34
1971 elect. #25 E.I.*	33.32	.....	44.36	.....	.....	......	......
1971 diff. B 50/25; E 25 i.e.*	33.20	.....	44.27	.....	.....	......	......
1971 diff. B 75/25; E 25 i.e.*	33.47	.....	44.71	.....	.....	......	......
1971 diff. B 100/25; E 25 i.e.*	33.74	.....	45.17	.....	.....	......	......
1973 elect. #25 E.I.	37.09	43.36	49.68	57.73	73.91	114.56	196.66
1973 diff. B 50/25; E 25 i.e.	37.24	43.59	50.07	58.14	74.19	114.73	195.99
1973 diff. B 75/25; E 25 i.e.	37.63	43.95	50.55	58.66	74.80	115.73	197.40
1973 diff. B 100/25; E 25 i.e.	37.92	44.42	51.20	59.35	75.62	117.06	199.30
1973 elect. #25 E.I.*	36.94	.....	49.08	.....	.....	.....	.....
1973 diff. B 50/25; E 25 i.e.*	37.09	.....	49.47	.....	.....	.....	.....
1973 diff. B 75/25; E 25 i.e.*	37.48	.....	49.95	.....	.....	.....	.....
1973 diff. B 100/25; E 25 i.e.*	37.77	.....	50.60	.....	.....	.....	.....

[a] No. 3.

CAN PRICES—Continued

Year	8Z Tall 211x304	No. 1 Pic 211x400	No. 303 303x406	No. 2 307x409	No. 2½ 401x411	No. 3 cyl. 404x700	No. 10 603x700
1975 elect. #25 E.I.	55.36	64.62	74.32	87.03	110.83	170.87	294.21
1975 diff. B 50/25; E 25 i.e.	55.33	64.63	74.43	87.10	110.72	170.31	292.33
1975 diff. B 75/25; E 25 i.e.	56.10	65.57	75.71	88.46	112.34	172.95	296.07
1975 diff. B 100/25; E 25 i.e.	56.82	66.45	76.91	89.74	113.86	175.43	299.59
1975 elect. #25 E.I.*	54.61	.....	73.38	.....	.....	.....	.....
1975 diff. B 50/25; E 25 i.e.*	54.58	.....	73.49	.....	.....	.....	.....
1975 diff. B 75/25; E 25 i.e.*	55.35	.....	74.77	.....	.....	.....	.....
1975 diff. B 100/25; E 25 i.e.*	56.07	.....	75.97	.....	.....	.....	.....
1977 elect. #25 E.I.	64.63	75.43	86.80	101.62	129.41	199.46	343.43
1977 diff. B 50/25; E 25 i.e.	64.62	75.47	86.96	101.73	129.32	198.87	341.32
1977 diff. B 75/25; E 25 i.e.	65.29	76.29	88.08	102.93	130.74	201.19	344.62
1977 diff. B 100/25; E 25 i.e.	66.15	77.34	89.51	104.45	132.55	204.14	348.80
1977 elect. #25 E.I.*	63.75	.....	85.71	.....	.....	.....	.....
1977 diff. B 50/25; E 25 i.e.*	63.74	.....	85.87	.....	.....	.....	.....
1977 diff. B 75/25; E 25 i.e.*	64.41	....	86.99	.....	.....	.....	.....
1977 diff B 100/25; E 25 i.e.*	65.27	.....	88.42	.....	.....	.....	.....
1979 elect. #25 E.I.	84.76	98.60	115.31	135.73	173.33	264.65	460.71
1979 diff. B 50/25; E 25 i.e.	84.92	98.84	115.77	136.15	173.57	264.56	459.20
1979 diff. B 75/25; E 25 i.e.	86.06	100.24	117.67	138.18	175.98	268.50	464.79
1979 diff. B 100/25; E 25 i.e.	87.25	101.69	119.65	140.29	178.49	272.59	470.60
1979 elect #25 E.I.*	82.83	96.72	112.58	.....	.....	.....	.....
1979 diff. B 50/25; E 25 i.e.*	82.99	96.96	113.04	.....	.....	.....	.....
1979 diff. B 75/25; E 25 i.e.*	84.13	98.36	114.94	.....	.....	.....	.....
1979 diff. B 100/25; E 25 i.e.*	85.32	99.81	116.92	.....	.....	.....	.....
1981 elect #25 E.I.	109.63	127.29	150.25	177.06	226.18	345.43	601.92
1981 diff. B 50/25; E 25 i.e.	109.80	127.57	150.82	177.57	226.42	345.16	599.71
1981 diff. B 75/25; E 25 i.e.	110.91	128.94	152.68	179.55	228.77	349.01	605.17
1981 diff. B 100/25; E 25 i.e.	112.82	131.27	155.86	182.94	232.80	355.58	614.50
1981 elect. #25 E.I.*	106.65	124.21	145.86	.....	.....	.....	.....
1981 diff. B 50/25; E 25 i.e.*	106.82	124.49	146.43	.....	.....	.....	.....
1981 diff. B 75/25; E 25 i.e.*	107.93	125.86	148.29	.....	.....	.....	.....
1981 diff. B 100/25; E 25 i.e.*	109.84	128.1[illegible]	151.47	.....	.....	.....	.....
1983 elect. #25 E.I.	128.62	149.33	176.29	207.73	265.39	405.36	706.57
1983 diff. B 50/25; E 25 i.e.	128.19	148.91	175.93	207.24	264.33	402.82	700.61
1983 diff. B 75/25; E 25 i.e.	129.44	150.42	178.00	209.44	266.96	407.09	706.69
1983 diff. B 100/25; E 25 i.e.	130.88	152.18	180.40	212.00	270.00	412.05	713.73
1983 Elect. #25 E.I.*	125.12	145.71	171.15	.....	.....	.....	.....
1983 diff. B 50/25; E 25 i.e.*	124.69	145.29	170.79	.....	.....	.....	.....
1983 diff. B 75/25; E 25 i.e.*	125.94	146.80	172.86	.....	.....	.....	.....
1983 diff. B 100/25; E 25 i.e.*	127.38	148.56	175.26	.....	.....	.....	.....
1984 elect. #25 E.I.	137.63	159.78	188.62	222.28	283.96	433.73	756.02
1984 diff. B 50/25; E 25 i.e.	137.08	159.23	188.09	221.60	282.65	430.72	749.22
1984 diff. B 75/25; E 25 i.e.	138.33	160.74	190.16	223.80	285.28	434.99	755.30
1984 diff. B 100/25; E 25 i.e.	139.77	162.50	192.56	226.36	288.32	439.95	762.34
1984 elect. #25 E.I.*	133.88	153.85	183.12	.....	.....	.....	.....
1984 diff. B 50/25; E 25 i.e.*	133.33	155.35	182.59	.....	.....	.....	.....
1984 diff. B 75/25; E 25 i.e.*	134.58	156.86	184.66	.....	.....	.....	.....
1984 diff. B 100/25; E 25 i.e.*	136.02	158.62	187.06	.....	.....	.....	.....
1985 elect. #25 E.I.	144.23	167.45	197.68	232.95	297.60	454.55	792.31
1985 diff. B 50/25; E 25 i.e.	143.67	166.87	197.14	232.24	296.24	451.40	785.21
1985 diff. B 75/25; E 25 i.e.	144.96	168.46	199.30	234.54	298.97	455.87	791.55
1985 diff. B 100/25; E 25 i.e.	146.48	170.31	201.82	237.23	302.17	461.08	798.94
1985 elect. #25 E.I.*	140.30	163.39	191.92	.....	.....	.....	.....
1985 diff. B 50/25; E 25 i.e.*	139.74	162.81	191.38	.....	.....	.....	.....
1985 diff. B 75/25; E 25 i.e.*	141.03	164.40	193.54	.....	.....	.....	.....
1985 diff. B 100/25; E 25 i.e.*	142.55	166.25	196.06	.....	.....	.....	.....
1986 elect. #25 E.I.	147.84	171.64	202.62	238.77	305.04	465.91	812.12
1986 diff. B 50/25; E 25 i.e.	147.26	171.04	202.07	238.05	303.65	462.69	804.84
1986 diff. B 75/25; E 25 i.e.	148.58	172.67	204.28	240.40	306.44	467.27	811.34
1986 diff. B 100/25; F 25 i.e.	150.14	174.57	206.87	243.16	309.72	472.61	818.91
1986 elect. #25 E.I.*	143.81	167.47	196.72	.....	.....	.....	.....
1986 diff. B 50/25; E 25 i.e.*	143.23	166.88	196.16	.....	.....	.....	.....
1986 diff. B 75/25; E 25 i.e.*	144.56	168.51	198.38	.....	.....	.....	.....
1986 diff. B 100/25; E 25 i.e.*	146.11	170.41	200.96	.....	.....	.....	.....
1987 elect. #25 E.I.	154.34	179.19	211.54	249.28	318.46	486.41	847.85
1987 diff. B 50/25; E 25 i.e.	153.74	178.57	210.96	248.52	317.01	483.05	840.25
1987 diff. B 75/25; E 25 i.e.	155.12	180.27	213.27	250.98	319.92	487.83	847.04
1987 diff. B 100/25; E 25 i.e.	156.75	182.25	215.97	253.86	323.35	493.40	854.94
1987 elect. #25 E.I.*	150.14	174.94	205.38	.....	.....	.....	.....
1987 diff. B 50/25; E 25 i.e.*	149.53	174.22	204.79	.....	.....	.....	.....
1987 diff. B 75/25; E 25 i.e.*	150.92	175.92	207.11	.....	.....	.....	.....
1987 diff. B 100/25; E 25 i.e.*	152.54	177.91	209.80	.....	.....	.....	.....

DESCRIPTION - Body & Ends of cans designated "elect. #25 E.I." are manufactured from tin plate coated with .25 lb. of tin per base box of metal and enameled inside. (Whenever .25 lb. is designated inside enamel is added). The nominal tin coating weight for *each surface* (inside/outside) is .125 lb. and may be expressed 0.125/0.125. The inside and outside of differential cans are coated with different amounts of tin. For an explanation of Tin Coating Weights see page preceding "CAN PRICES" in this Almanac.

The 60 lb. 2 CR body, designated by the asterisk (*) has reference to the weight of the steel in the body (lighter than conventional).

E.I. means Body and Ends Enameled inside; B means body; E means ends; i.e. means inside enamel.

Base box - A unit of area of tin plate covering 31,360 square inches.

METAL CAN SHIPMENTS BY PRODUCT

Source: Can Manufacturers Institute
Millions of Cans

	1980	1981	1982	1983	1984	1985	1936	1987
FOOD								
Fruits & Juices	4,531	4,163	3,788	3,651	3,389	[2]3,046	2,783	3,009
Vegetables & Juices	9,796	9,331	9,087	8,303	8,702	[2]8,339	8,544	8,556
Dairy Products	826	854	889	927	974	1,246	1,203	1,188
Meat, Incl. Poultry	1,462	1,327	1,411	1,492	1,508	[2]1,492	1,447	1,572
Seafood	1,170	[2]1,477	[2]1,341	1,527	1,607	1,881	1,914	1,958
Shortening	184	218	246	247	186	109	55	43
Baby Food	867	834	895	902	915	936	956	995
Other Food (a)	5,934	5,607	5,724	5,689	6,168	6,111	5,985	5,952
Total Foods	**24,770**	**[2]23,811**	**[2]23,381**	**22,738**	**23,449**	**23,160**	**22,887**	**23,273**
BEVERAGES								
Coffee	654	674	653	632	644	615	553	565
Soft Drinks	25,741	25,425	26,205	28,321	31,290	34,563	36,844	40,293
Beer	29,498	30,901	31,729	33,135	34,354	35,614	36,058	36,480
Total Beverages	**55,893**	**57,000**	**58,587**	**62,088**	**66,288**	**70,792**	**73,455**	**77,338**
PET FOOD	**2,889**	**[2]3,663**	**3,593**	**3,571**	**4,020**	**4,069**	**4,488**	**4,543**
NON-FOOD								
Aerosol	2,004	2,059	1,970	2,144	2,223	2,277	2,530	2,508
Motor Oil	452	n.a.	n.a.	n.a.	n.a.	n.a	n.a.	n.a.
Paint & Varnish	803	813	795	817	840	830	816	842
Automotive Products	......	601	257	229	199	168	133	128
Other NON/Food	1,136	863	738	807	762	603	604	582
Total Non-Food	**4,395**	**4,336**	**3,760**	**3,997**	**4,024**	**3,878**	**4,083**	**4,060**
Total Shipments	**87,947**	**[2]88,810**	**[2]89,321**	**92,394**	**97,781**	**[2]101,899**	**104,913**	**109,214**
Total Steel	45,386	[2]40,116	[2]36,393	34,316	34,654	[2]34,559	34,302	33,342
Total Aluminum	42,561	48,694	52,928	58,078	63,127	67,340	70,611	75,872
Total for Sale	60,768	[2]59,433	[2]59,375	61,907	66,405	69,810	75,509	81,204
Total for Own Use	27,179	[2]29,377	29,946	30,487	31,376	[2]32,089	29,404	28,010
Wgt of Aluminum cans (b)	2,549	2,782	2,810	3,168	3,562	3,561	3,730	4,265

(a) Including soup. (b) Millions of pounds. n.a. - Not available. [2] Revised.

GLASS CONTAINER SHIPMENTS BY TYPE OF CONTAINER*

Source: Bureau of Census, U.S. Department of Commerce
(Thousands of gross)

Type of Container	1979[3]	1980[3]	1981[3]	1982[3]	1983[3]	1984	1985	1986	1987
All Types Total	322,777	326,132	322,845	308,846	293,103	289,950	272,821	283,057	281,636
Direct exports*	2,935	2,233	2,165	1,333	1,416	1,678	941	815	642
Domestic*	319,842	323,899	320,680	307,513	291,687	288,272	271,880	282,242	280,994
Narrow Neck, Tot.	248,924	257,447	253,060	240,559	228,762	221,055	208,561	220,262	218,963
Food	26,686	28,075	28,728	27,658	28,270	26,170	23,770	25,266	27,252
Medicinal/health	13,159	12,956	12,536	12,393	9,665	10,140	8,710	[4]12,027	[4]8,549
Chem./Household/Indus.	2,493	2,071	1,718	1,456	976	1,379	942	[4]1,490	[4]1,371
Toiletries/cosm.	9,592	9,245	8,489	7,906	6,506	6,566	5,302	[4]6,816	[4]5,618
Bev., returnable	6,033	4,571	4,138	3,729	3,383	2,100	1,553	841	(5)
Bev., nonreturn	48,962	53,277	56,110	57,291	59,234	59,475	58,532	59,044	62,434
Beer, returnable	2,657	1,869	1,570	1,899	2,475	3,473	1,870	2,902	2,354
Beer, nonreturn	115,039	120,809	115,768	105,962	94,625	87,323	81,907	84,020	83,003
Liquor	15,793	15,790	15,365	13,857	14,712	14,015	11,939	10,965	11,849
Wine	8,510	8,784	8,638	8,408	8,916	10,414	14,036	16,891	16,533
Wide Mouth, Total	70,918	66,452	67,620	68,287	64,341	68,895	64,260	n.a.	n.a.
Food[2]	66,517	61,212	62,404	63,372	60,108	64,302	59,935	62,795	62,673
Medicinal/health	1,924	3,084	3,274	3,097	2,995	3,150	2,715	(4)	(4)
Chem./Household/Indus.	1,296	1,191	1,122	1,159	812	988	1,015	(4)	(4)
Toiletries/cosm.	1,181	965	820	659	426	455	595	(4)	(4)
Dairy products	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)

*Thru 1981, shipments by type represent Domestic Container Shipments only. Beginning 1982 "Direct exports" are included in breakdown of domestic shipments by type. (2)Data for dairy products is combined with Food. (3)Revised. (4)Data for wide mouth included with narrow neck. (5)Included with Bev. nonreturn.

THE ALMANAC

OF THE CANNING, FREEZING, PRESERVING INDUSTRIES

Section VII

RAW PRODUCT STATISTICS

Source: Crop Reporting Board, Statistical Reporting Service, U.S.D.A.

In order to stay within the fiscal funding level the U.S. Department of Agriculture's Statistical Reporting Service reduced the number of fresh market and processing vegetable crop estimates beginning with the 1982 crop year.

Fresh market estimates for artichokes, asparagus, snap beans, brussels sprouts, cabbage, cantaloupes, cucumbers, eggplant, escarole/endive, garlic, green peppers, watermelons and spinach were discontinued. Estimates for asparagus were resumed with the 1984 crop year.

Processing vegetable crop estimates were discontinued for lima beans, beets, cabbage for kraut, cucumbers for pickles, spinach and asparagus. Estimates for asparagus and cucumbers were resumed with the 1984 crop year.

INDEX TO CONTENTS

PRINCIPAL VEGETABLE CROPS FOR PROCESSING ACREAGE, YIELD, PRODUCTION, VALUE PER TON, TOTAL VALUE 490

Beans, Snap 491
Corn, Sweet 494
Cucumbers 496
Peas 498
Tomatoes 501
Summary, Commodity 504
Summary, State 505, 506, 507

VEGETABLE CROPS FOR PROCESSING & FRESH MARKET 508

Asparagus 508
Broccoli 509
Carrots 510
Cauliflower 512
Mushrooms 515
Sweet Potatoes 514

FRUIT CROPS, UTILIZATION, PRICE, VALUE 516

Apples 516
Apricots 522
Cherries, Sweet 518
Cherries, Tart 519
Cranberries 522
Grapefruit 521
Olives 523
Oranges 520
Peaches 523
Pears 524

PRINCIPAL VEGETABLE CROPS FOR PROCESSING

SNAP BEANS—HARVESTED ACREAGE—1,000 ACRES (Rounded)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
New York	50.7	45.6	46.4	38.9	35.6	33.8	32.8	33.4	25.8	28.6
New Jersey	9.0	6.8	6.4	7.4	9.3	6.2	8.0	8.3	(a)	(a)
Pennsylvania	4.8	4.7	5.9	5.5	6.2	4.5	4.9	4.5	4.5	6.6
Delaware	10.4	4.9	6.1	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Maryland	6.3	8.6	4.9	3.9	2.6	(a)	(a)	(a)	(a)	(a)
EAST†	81.2	70.6	69.7	55.7	53.7	44.5	45.7	46.2	30.3	35.2
Virginia	4.3	4.0	2.9	1.8	(a)	(a)	(a)	(a)	.0	(a)
North Carolina ..	1.5	4.0	2.8	2.2	1.5	(a)	(a)	1.7	(a)	(a)
Florida	12.0	13.5	7.3	1.5	2.0	.6	2.5	1.2	(a)	(a)
SOUTHEAST† ..	17.8	21.5	13.0	5.5	3.5	.6	2.5	2.9	(a)	(a)
Illinois	9.2	9.5	6.6	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Indiana	3.6	2.7	2.4	1.6	1.1	1.9	2.8	3.2	1.6	5.8
Michigan	16.4	17.3	13.7	14.3	14.2	14.8	17.5	18.7	17.6	19.5
Wisconsin	68.0	79.3	78.8	70.2	64.5	72.4	77.6	85.8	77.8	88.7
MID-WEST†	97.2	108.8	101.5	86.1	79.8	89.1	97.9	107.7	97.0	114.0
Arkansas	3.9	(a)	(a)	4.1	3.6	3.3	3.1	3.3	2.6	3.0
Tennessee	12.0	9.9	12.1	7.6	6.9	4.9	5.3	5.0	5.3	5.4
Oklahoma	.9	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Texas	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
SO. CENTRAL† .	16.8	9.9	12.1	11.7	10.5	8.2	8.4	8.3	7.9	8.4
Colorado	1.4	1.5	.8	1.0	.5	.0	.0	.0	.0	.0
Washington	2.1	2.3	2.4	1.6	2.1	1.4	1.1	1.5	1.2	1.1
Oregon	35.6	38.4	31.1	27.4	25.7	22.4	23.9	23.2	22.3	20.3
California	7.4	7.3	4.5	(a)	(a)	(a)	(a)	(a)	(a)	(a)
WEST†	46.5	49.5	38.8	30.0	28.3	23.8	25.0	24.7	23.5	21.4
OTHER STS†	20.9	25.1	20.6	29.3	28.6	30.5	37.1	32.4	31.9	*41.3
For Freezing	69.1	64.0	56.4	56.3	60.0	57.2	62.3	62.1	55.9	65.5
For Canning	211.3	221.5	199.3	162.0	144.5	139.5	154.3	160.1	134.6	154.8
PROCESSING ...	280.4	285.4	255.7	218.3	204.4	196.7	216.6	222.2	190.6	220.3
FRESH MKT	86.3	85.5	95.7	88.6	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
TOT. U.S.........	366.7	370.9	351.4	306.9	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

n.a.—Not available. (a) Included in "Other States". † Area totals do not include quantities in "OTHER STS." *Includes 5,200 acres harvested in Minnesota.

Processors of Raw Products
Detailed in this Section
are listed in The
NEW ! 1988-89 DIRECTORY
See Sample Pages at pages 545 - 550 this Almanac

SNAP BEANS — YIELD PER ACRE — TONS (Rounded)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
New York	2.1	2.3	2.4	2.5	2.8	2.6	2.5	2.7	2.3	2.5
New Jersey	2.0	2.1	2.6	2.8	2.7	1.8	2.8	3.1	n.a.	n.a.
Pennsylvania	2.3	2.1	1.6	2.3	2.2	1.8	2.9	3.4	2.0	2.0
Delaware	2.1	2.5	2.0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Maryland	2.0	1.8	1.8	2.6	2.4	n.a.	n.a.	n.a.	n.a.	n.a.
Virginia	1.5	2.0	1.5	2.3	n.a.	n.a.	n.a.	n.a.	.0	n.a.
North Carolina ..	1.3	2.1	1.6	2.0	2.8	n.a.	n.a.	1.7	n.a.	n.a.
Florida	2.0	2.4	1.9	2.0	1.5	1.5	1.5	1.5	n.a.	n.a.
Illinois	2.6	3.0	3.0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Indiana	2.6	2.4	2.3	2.6	3.2	1.3	3.1	2.6	2.7	2.7
Michigan	2.1	2.1	2.8	2.5	2.6	2.8	2.8	2.6	2.4	2.2
Wisconsin	2.8	2.7	2.7	3.1	3.0	2.9	3.0	2.9	3.2	3.2
Arkansas	1.9	n.a.	n.a.	3.1	2.8	2.2	1.4	2.2	1.5	2.2
Tennessee	1.6	1.6	1.1	2.5	2.6	1.8	2.1	2.3	1.4	2.0
Oklahoma	1.5	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Texas	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Colorado	3.0	3.5	3.0	4.0	3.6	.0	.0	.0	.0	.0
Washington	3.1	3.9	3.8	3.0	3.5	3.9	3.4	3.1	4.1	4.5
Oregon	4.3	4.5	5.2	5.3	5.2	5.5	5.4	5.4	6.2	5.8
California	2.2	1.9	2.7	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
For Freezing	2.5	2.6	2.9	3.3	3.2	3.1	3.2	3.4	3.4	3.1
For Canning	2.6	2.7	2.7	3.0	3.1	2.9	3.0	3.1	3.1	3.0
US PROC AV	2.6	2.7	2.8	3.1	3.2	3.0	3.1	3.2	3.2	3.1

n.a. — not available.

SNAP BEANS — PRODUCTION — 1,000 TONS (Rounded)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
New York	107.9	106.3	113.2	96.1	100.4	88.2	82.7	91.2	60.4	70.6
New Jersey	17.8	14.4	16.9	20.5	24.7	11.3	22.5	26.0	(a)	(a)
Pennsylvania	11.0	9.9	9.2	12.4	13.4	7.9	14.1	15.4	9.0	13.2
Delaware	22.2	12.2	12.4	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Maryland	12.6	15.7	8.6	10.1	6.3	(a)	(a)	(a)	(a)	(a)
EAST†	171.4	158.4	160.3	139.0	144.8	107.4	119.3	132.6	69.3	83.8
Virginia	6.6	7.8	4.4	4.2	(a)	(a)	(a)	(a)	.0	(a)
North Carolina ..	2.0	8.3	4.5	4.4	4.1	(a)	(a)	2.8	(a)	(a)
Florida	24.0	32.9	14.1	3.0	3.0	.9	3.8	1.8	(a)	(a)
SOUTHEAST† ..	32.6	49.1	23.0	11.6	7.1	.9	3.8	4.6	(a)	(a)
Illinois	24.0	28.4	20.1	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Indiana	9.4	6.5	5.5	4.2	3.5	2.4	8.6	8.2	4.3	15.9
Michigan	34.5	36.0	38.4	36.2	36.6	41.4	49.0	48.6	42.2	42.9
Wisconsin	188.4	212.5	211.2	214.1	190.3	210.7	235.1	248.8	247.4	279.4
MID-WEST†	256.2	283.4	275.1	254.5	230.5	254.5	292.8	305.6	293.9	338.2
Arkansas	7.4	(a)	(a)	12.6	10.0	7.3	4.4	7.2	3.9	6.6
Tennessee	19.3	15.9	12.7	19.3	17.9	8.9	11.3	11.3	7.6	10.8
Oklahoma	1.3	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Texas	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
SO. CENTRAL† .	28.0	15.9	12.7	31.9	27.9	16.3	15.7	18.4	11.5	17.4
Colorado	4.2	5.3	2.3	4.0	1.9	.0	.0	.0	.0	.0
Washington	6.5	9.1	9.1	4.9	7.4	5.5	3.7	4.7	4.9	5.0
Oregon	152.1	172.4	160.5	144.4	133.4	123.7	128.3	124.8	138.7	117.9
California	16.1	13.9	12.1	(a)	(a)	(a)	(a)	(a)	(a)	(a)
WEST†	178.9	200.7	183.9	153.3	142.7	129.2	132.0	129.5	143.6	122.9
OTHER STS	49.6	61.5	49.1	81.9	90.8	79.2	102.6	111.8	91.1	*113.9
For Freezing	173.6	167.4	160.6	184.5	193.8	178.5	201.6	213.3	189.3	205.0
For Canning	543.1	601.7	543.6	487.7	450.1	409.0	464.5	489.2	420.1	471.3
PROCESSING ...	716.6	769.1	704.2	672.2	643.9	587.4	666.1	702.5	609.4	676.3
FRESH MKT	146.1	146.4	152.2	146.3	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
TOTAL. U.S.	862.7	915.5	856.4	818.4	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

† Area totals do not include quantities in "OTHER STATES". (a) Included in "OTHER STATES"
*Includes 17,420 tons in Minnesota.

PRINCIPAL VEGETABLE CROPS FOR PROCESSING — Cont.

SNAP BEANS — VALUE PER TON — DOLLARS

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
New York	150.00	161.00	169.00	185.00	178.00	178.00	181.00	184.00	170.00	165.00
New Jersey	149.00	172.00	191.00	205.00	202.00	200.00	202.00	206.00	n.a.	n.a.
Pennsylvania	157.00	167.00	175.00	191.00	201.00	198.00	200.00	207.00	186.00	195.00
Delaware	164.00	169.00	159.00	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Maryland	174.00	169.00	169.00	191.00	217.00	n.a.	n.a.	n.a.	n.a.	n.a.
Virginia	158.00	167.00	179.00	183.00	n.a.	n.a.	n.a.	n.a.	0.00	n.a.
North Carolina ..	153.00	161.00	179.00	187.00	190.00	n.a.	n.a.	234.00	n.a.	n.a.
Florida	165.00	148.00	198.00	230.00	200.00	200.00	300.00	300.00	n.a.	n.a.
Illinois	146.00	139.00	152.00	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Indiana	162.00	182.00	144.00	140.00	129.00	177.00	190.00	175.00	169.00	190.00
Michigan	148.00	162.00	156.00	160.00	145.00	144.00	136.00	158.00	143.00	149.00
Wisconsin	132.00	137.00	134.00	146.00	137.00	140.00	152.00	152.00	143.00	143.00
Arkansas	103.00	n.a.	n.a.	164.00	165.00	186.00	176.00	174.00	184.00	164.00
Tennessee	175.00	183.00	211.00	211.00	204.00	200.00	204.00	203.00	199.00	195.00
Oklahoma	94.00	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Texas	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Colorado	128.00	126.00	142.00	152.00	142.00	0.00	0.00	0.00	0.00	0.00
Washington	141.00	159.00	163.00	171.00	166.00	147.00	223.00	167.00	202.00	198.00
Oregon	142.00	153.00	155.00	158.00	169.00	159.00	176.00	174.00	174.00	178.00
California	212.00	206.00	237.00	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
For Freezing	152.00	163.00	169.00	176.00	184.00	178.00	194.00	190.00	182.00	181.00
For Canning	144.00	150.00	152.00	162.00	158.00	153.00	161.00	160.00	150.00	151.00
US PROC AV	146.00	153.00	156.00	166.00	166.00	160.00	171.00	169.00	160.00	160.00

n.a. — not available.

SNAP BEANS — TOTAL VALUE — 1,000 DOLLARS

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
New York	16,178	17,106	19,134	17,775	17,869	15,703	14,961	16,777	10,263	11,656
New Jersey	2,652	2,480	3,228	4,203	4,997	2,256	4,541	5,352	(a)	(a)
Pennsylvania	1,722	1,657	1,601	2,365	2,691	1,568	2,822	3,196	1,667	2,574
Delaware	3,633	2,062	1,972	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Maryland	2,192	2,645	1,457	1,921	1,371	(a)	(a)	(a)	(a)	(a)
EAST†	26,377	25,950	27,392	26,264	26,928	19,527	22,324	25,325	11,930	14,230
Virginia	1,043	1,303	789	770	(a)	(a)	(a)	(a)	0	(a)
North Carolina ..	306	1,340	809	823	785	(a)	(a)	658	(a)	(a)
Florida	3,960	4,875	2,790	690	600	180	1,125	540	(a)	(a)
SOUTHEAST† ..	5,309	7,518	4,388	2,283	1,385	180	1,125	1,198	(a)	(a)
Illinois	3,504	3,949	3,049	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Indiana	1,515	1,188	798	589	455	421	1,638	1,428	725	3,019
Michigan	5,099	5,829	5,984	5,789	5,313	5,967	6,664	7,682	6,040	6,392
Wisconsin	24,862	29,115	28,298	31,260	26,068	29,495	35,740	37,821	35,378	39,956
MID-WEST†	34,980	40,081	38,129	37,638	31,836	35,883	44,042	46,931	42,143	49,367
Arkansas	757	(a)	(a)	2,071	1,657	1,363	769	1,251	718	1,087
Tennessee	3,378	2,917	2,682	4,072	3,645	1,784	2,313	2,284	1,508	2,106
Oklahoma	122	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Texas	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
S. CENTRAL† ...	4,257	2,917	2,682	6,143	5,302	3,147	3,082	3,535	2,226	3,193
Colorado	538	668	331	608	273	0	0	0	0	0
Washington	917	1,441	1,478	829	1,227	811	823	777	990	982
Oregon	21,570	26,380	24,874	22,815	22,541	19,660	22,588	21,719	24,136	20,993
California	3,398	2,872	2,858	(a)	(a)	(a)	(a)	(a)	(a)	(a)
WEST†	26,423	31,361	29,541	24,252	24,041	20,471	23,411	22,496	25,126	21,975
OTHER STS	7,284	10,042	7,902	14,814	17,118	15,044	19,951	19,314	15,837	*19,429
For Freezing	26,299	27,360	27,214	32,559	35,700	31,699	39,164	40,421	34,359	37,104
For Canning	78,331	90,509	82,820	78,835	70,910	62,553	74,771	78,378	62,903	71,090
T. US PROC	104,630	117,869	110,034	111,394	106,610	94,252	113,935	118,799	97,262	108,194

† Area totals do not include values in "OTHER STATES". (a) Included in "OTHER STATES".
*Includes $2,543,320 in Minnesota.

PRINCIPAL VEGETABLE CROPS FOR PROCESSING—Cont.

SWEET CORN—HARVESTED ACREAGE— 1,000 ACRES

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
New York........	20.3	20.5	17.0	21.1	24.6	25.5	28.3	29.7	27.1	27.9
Pennsylvania.....	4.4	3.9	4.0	4.1	4.5	3.7	3.6	4.1	3.5	3.0
Delaware........	2.3	3.1	2.4	3.0	3.9	4.0	5.0	4.6	4.9	5.4
Maryland........	11.5	10.3	8.6	8.1	8.6	8.9	8.3	9.0	7.6	6.3
EAST†..........	38.5	37.8	32.0	36.3	41.6	42.1	45.2	47.4	43.1	42.6
Illinois...........	48.4	44.0	37.8	38.3	38.4	34.5	36.5	36.2	31.7	27.6
Wisconsin........	110.8	121.4	106.1	113.4	122.2	117.9	129.0	131.4	122.2	140.0
Minnesota.......	111.5	98.3	101.2	105.2	119.3	108.4	115.0	118.3	123.5	112.2
Iowa............	6.7	5.0	3.1	3.9	(a)	(a)	(a)	(a)	(a)	(a)
MIDWEST†.....	277.4	268.7	248.2	260.8	279.9	260.8	280.5	285.9	277.4	279.8
Idaho............	23.8	23.8	17.8	19.3	21.5	14.1	17.4	17.3	16.5	17.8
Washington......	40.7	40.5	36.7	41.8	51.7	38.3	32.9	38.9	35.3	44.6
Oregon..........	40.2	37.8	33.7	39.9	45.5	38.8	42.0	38.6	34.9	38.9
WEST†.........	104.7	102.1	88.2	101.0	118.7	91.2	92.3	94.8	86.7	101.3
OTHER STS.....	9.0	9.0	7.0	2.9	6.7	5.7	9.2	7.2	6.2	7.2
For Freezing...	131.4	119.7	112.5	126.9	156.6	133.4	143.4	162.3	158.5	165.9
For Canning...	298.2	297.9	262.9	274.1	290.3	266.4	283.9	273.0	254.9	265.1
PROCESSING...	429.6	417.6	375.4	401.0	446.9	399.8	427.2	435.3	413.4	430.9
FRESH MKT....	181.1	179.8	180.5	183.7	186.1	190.8	193.0	190.6	184.6	189.6
TOT. U.S.........	610.7	597.4	555.9	584.7	633.0	590.6	620.2	625.9	598.0	620.5

† Area totals do not include quantities in "OTHER STATES". (a) Included in "OTHER STATES". n.a. Not available.

SWEET CORN—YIELD PER ACRE—TONS IN HUSK

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
New York.......	4.90	5.33	5.05	4.66	5.27	5.21	5.58	4.09	5.12	6.92
Pennsylvania....	3.84	2.91	3.54	3.21	3.61	2.48	4.66	3.97	3.29	3.51
Delaware........	4.56	5.17	4.90	3.14	5.28	4.58	5.71	5.73	4.77	4.72
Maryland.......	4.34	4.61	4.20	4.17	4.61	3.59	5.86	6.04	5.46	5.16
Illinois..........	5.10	5.72	4.26	5.51	4.88	4.19	5.32	5.71	4.79	5.41
Wisconsin.......	4.55	4.73	4.84	5.24	4.60	4.82	4.95	5.09	5.37	5.50
Minnesota.......	5.75	5.72	5.42	5.45	5.73	4.60	5.82	5.77	5.95	6.50
Iowa............	5.37	5.40	5.83	5.67	(a)	(a)	(a)	(a)	(a)	(a)
Idaho...........	6.63	7.95	8.19	7.75	8.71	8.32	8.17	8.53	9.01	9.35
Washington.....	7.71	7.77	8.31	7.96	9.08	9.12	7.47	8.40	8.37	9.02
Oregon..........	7.96	8.53	8.68	8.11	9.01	8.55	8.70	9.19	9.24	8.84
Other States....	4.23	4.24	3.67	5.82	5.16	4.37	4.88	4.77	5.63	6.07
For Freezing..	6.55	6.95	6.84	6.56	7.20	6.75	6.76	6.84	6.84	7.41
For Canning...	5.28	5.48	5.28	5.64	5.56	4.98	5.58	5.60	5.79	6.18
U.S. PROC. AV..	5.67	5.90	5.75	5.93	6.13	5.57	5.97	6.06	6.19	6.65

(a) Included in "Other States".

SWEET CORN—PRODUCTION—1.000 TONS IN HUSK

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
New York	99.5	109.3	85.9	98.3	129.6	132.9	157.9	121.5	138.8	193.1
Pennsylvania	16.9	11.4	14.2	13.2	16.3	9.2	16.8	16.3	11.5	10.5
Delaware	10.5	16.0	11.8	9.4	20.6	18.3	28.6	26.4	23.4	25.5
Maryland	49.9	47.5	36.2	33.8	39.7	32.0	48.6	54.4	41.5	32.5
EAST†	176.8	184.1	147.9	154.7	206.1	192.4	251.9	218.5	215.1	261.6
Illinois	246.9	251.7	161.0	211.0	187.4	144.6	194.2	206.7	151.8	149.3
Wisconsin	504.2	574.2	513.5	594.2	562.1	568.3	638.6	668.8	656.2	770.0
Minnesota	641.1	562.3	548.5	573.3	683.6	498.6	669.3	682.6	734.8	729.3
Iowa	36.0	27.0	18.1	22.1	(a)	(a)	(a)	(a)	(a)	(a)
MID-WEST†	1,428.1	1,415.2	1,241.1	1,400.7	1,433.1	1,211.5	1,502.0	1,558.1	1,542.9	1,648.6
Idaho	157.9	189.2	145.8	149.6	187.3	117.3	142.2	147.6	148.7	166.4
Washington	313.8	314.7	305.0	332.7	469.4	349.3	245.8	326.8	295.5	402.3
Oregon	320.0	322.4	292.5	323.6	410.0	331.7	365.4	354.7	322.5	343.9
WEST†	791.7	826.3	743.3	805.9	1,066.7	798.4	753.3	829.1	766.6	912.6
OTHER STS†	38.1	38.3	25.7	16.9	34.6	24.9	44.9	34.4	34.8	43.8
For Freezing ..	860.2	832.4	769.4	832.0	1,126.9	900.7	969.7	1,110.7	1,083.5	1,228.3
For Canning ...	1,574.6	1,631.5	1,388.6	1,546.2	1,613.5	1,326.3	1,582.5	1,529.3	1,475.9	1,638.3
PROCESSING ...	2,434.7	2,463.9	2,158.0	2,378.2	2,740.5	2,227.1	2,552.2	2,640.0	2,559.4	2,866.6
FRESH MKT	703.1	701.7	714.1	714.4	721.8	743.4	779.5	786.1	750.9	770.0
TOT. U.S.	3,137.8	3,165.6	2,872.1	3,092.6	3,462.2	2,970.5	3,331.6	3,426.1	3,310.3	3,636.6

SWEET CORN—VALUE PER TON—DOLLARS

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
New York	45.00	47.00	48.90	62.10	64.80	66.10	62.40	63.70	60.00	57.00
Pennsylvania	42.80	43.30	49.10	66.10	58.00	52.20	64.40	52.10	50.30	50.00
Delaware	75.50	67.30	85.40	79.50	58.00	65.20	79.80	71.20	47.90	54.60
Maryland	61.30	57.00	67.60	76.50	57.20	65.90	80.00	65.80	48.20	58.00
Illinois	51.00	51.90	63.50	76.60	68.10	66.30	69.90	67.10	58.60	62.90
Wisconsin	41.40	40.50	44.70	60.10	50.50	56.40	57.30	60.30	57.70	57.50
Minnesota	45.40	46.70	50.00	57.30	56.30	52.90	61.40	59.50	53.80	56.10
Iowa	45.90	48.50	50.60	47.80	(a)	(a)	(a)	(a)	(a)	(a)
Idaho	55.50	52.90	54.70	64.50	64.00	61.70	62.10	62.50	58.20	53.40
Washington	59.10	66.50	60.30	64.60	70.60	60.70	68.00	68.70	68.60	67.10
Oregon	58.60	62.70	62.30	67.00	70.50	68.50	71.10	69.70	66.60	64.20
Other States	55.70	51.90	53.60	66.90	49.10	60.00	58.90	59.60	60.40	60.10
For Freezing ..	55.40	59.50	57.10	62.90	67.40	62.10	66.60	66.70	62.60	62.80
For Canning ...	46.80	47.10	51.80	63.20	57.10	58.30	61.90	61.00	56.20	56.70
US PROC AV	49.90	51.30	53.70	63.10	61.40	59.80	63.70	63.40	58.90	59.30

†Area totals do not include quantities in "OTHER STATES". (a) Included in "OTHER STATES".

SWEET CORN—TOTAL VALUE—1,000 DOLLARS

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
New York	4,478	5,135	4,198	6,106	8,401	8,782	9,854	7,738	8,325	11,005
Pennsylvania	723	491	695	870	943	479	1,081	848	579	527
Delaware	793	1,079	1,005	749	1,194	1,194	2,278	1,877	1,119	1,392
Maryland	3,059	2,706	2,444	2,584	2,268	2,106	3,891	3,577	2,000	1,886
EAST†	9,053	9,411	8,342	10,309	12,806	12,561	17,104	14,040	12,023	14,810
Illinois	12,589	13,062	10,225	16,165	12,761	9,584	13,573	13,870	8,898	9,392
Wisconsin	20,872	23,256	22,954	35,713	28,387	32,051	36,589	40,330	37,863	44,275
Minnesota	29,106	26,258	27,425	32,852	38,486	26,378	41,095	40,614	39,534	40,914
Iowa	1,652	1,310	914	1,057	(a)	(a)	(a)	(a)	(a)	(a)
MID-WEST†	64,219	63,886	61,518	85,787	79,634	68,013	91,257	94,814	86,295	94,581
Idaho	8,763	10,009	7,974	9,648	11,985	7,238	8,828	9,223	8,653	8,887
Washington	18,546	20,927	18,390	21,494	33,142	21,203	16,712	22,448	20,269	26,994
Oregon	18,740	20,216	18,224	21,681	28,902	22,724	25,980	24,725	21,477	22,077
WEST†	46,049	51,152	44,588	52,823	74,029	51,165	51,520	56,396	50,399	57,958
OTHER STS†	2,124	1,990	1,378	1,129	1,696	1,494	2,649	2,047	2,104	2,635
For Freezing ..	47,692	49,518	43,941	52,355	75,961	55,939	64,552	74,028	67,823	77,132
For Canning ...	73,753	76,921	71,885	97,693	92,204	77,294	97,978	93,269	82,998	92,852
T. US PROC	121,445	126,439	115, 826	150,048	168,165	133,233	162,530	167,297	150,821	169,984

†Area totals do not include values in "OTHER STATES". (a) Included in "OTHER STATES".

PRINCIPAL VEGETABLE CROPS FOR PROCESSING—Cont.

CUCUMBERS FOR PICKLES—HARVESTED ACREAGE—1.000 ACRES

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Indiana	1.0	.9	.9	.7	n.a.	n.a.	.8	1.1	1.2	1.1
Michigan	26.5	25.5	18.9	15.5	n.a.	n.a.	21.3	24.0	24.0	24.0
New Jersey	1.6	1.4	1.4	1.1	n.a.	n.a.	1.1	.7	.8	.6
Ohio	6.4	6.4	6.1	5.2	n.a.	n.a.	4.8	4.8	4.5	4.5
Wisconsin	11.1	10.3	9.5	7.1	n.a.	n.a.	7.8	6.7	7.2	5.7
NORTHERN† ...	46.6	44.5	36.8	29.6	n.a.	n.a.	35.8	37.3	37.7	35.9
Alabama	5.6	(a)	(a)	(a)	n.a.	n.a.	(a)	(a)	(a)	(a)
Florida	6.2	6.3	7.2	5.0	n.a.	n.a.	4.7	4.8	4.4	3.9
Delaware	1.2	1.8	1.6	1.7	n.a.	n.a.	1.5	1.5	(a)	(a)
Maryland	2.9	2.9	3.0	2.5	n.a.	n.a.	3.5	3.9	3.3	2.2
Mississippi	(a)	(a)	(a)	(a)	n.a.	n.a.	(a)	(a)	(a)	(a)
N. Carolina	29.5	28.5	25.8	25.5	n.a.	n.a.	26.1	29.1	25.3	24.7
S. Carolina	9.7	10.9	8.2	10.4	n.a.	n.a.	9.3	13.6	13.3	13.2
Texas	7.0	8.3	9.4	4.8	n.a.	n.a.	6.8	6.1	8.2	9.8
Virginia	3.6	2.3	3.2	1.8	n.a.	n.a.	(a)	(a)	.....	(a)
SOUTHERN† ...	65.7	61.0	58.4	51.7	n.a.	n.a.	51.9	59.0	54.5	53.8
California	3.9	4.4	3.6	3.4	n.a.	n.a.	3.3	4.1	4.0	4.1
Colorado	2.2	2.2	2.6	1.8	n.a.	n.a.	2.2	2.6	1.5	1.3
Oregon	1.5	1.5	1.6	1.4	n.a.	n.a.	2.0	2.1	1.9	1.9
Washington	1.8	1.3	1.4	1.5	n.a.	n.a.	1.5	1.7	1.7	1.7
WESTERN†	9.4	9.4	9.2	8.1	n.a.	n.a.	9.0	10.5	9.1	9.0
OTHER STATES	13.1	16.7	12.0	8.2	n.a.	n.a.	6.9	8.4	9.2	11.0
PROCESSING ...	134.7	131.7	116.4	97.5	n.a.	n.a.	103.6	115.2	110.5	109.6
FRESH MKT	53.5	50.7	54.2	51.4	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
TOTAL U.S.	188.3	182.4	170.6	148.9	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

(a) Included in "OTHER STATES". † Area totals do not include quantities in "OTHER STATES". n.a.- Not available.

CUCUMBERS FOR PICKLES—YIELD PER ACRE—TONS

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Indiana	9.68	7.03	7.29	10.26	n.a.	n.a.	11.29	11.71	9.88	11.13
Michigan	4.75	4.62	5.56	6.50	n.a.	n.a.	5.50	5.60	5.80	6.70
New Jersey	9.19	6.86	8.00	9.51	n.a.	n.a.	9.45	11.01	8.47	8.75
Ohio	10.58	12.53	10.25	12.24	n.a.	n.a.	11.73	12.60	12.72	10.40
Wisconsin	5.50	6.21	5.65	6.74	n.a.	n.a.	7.87	9.25	7.50	8.03
Alabama	1.33	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Florida	4.26	4.50	4.00	4.00	n.a.	n.a.	4.50	5.00	5.50	6.00
Delaware	7.58	4.27	4.50	4.41	n.a.	n.a.	4.77	4.35	n.a.	n.a.
Maryland	6.81	9.32	8.75	11.37	n.a.	n.a.	7.51	7.27	6.39	7.40
Mississippi	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
N. Carolina	2.62	2.81	3.43	3.20	n.a.	n.a.	3.30	3.41	3.20	3.42
S. Carolina	3.06	2.46	2.75	2.65	n.a.	n.a.	3.80	3.57	3.44	2.95
Texas	7.94	4.42	4.36	4.96	n.a.	n.a.	6.00	6.15	5.20	4.80
Virginia	5.61	4.89	3.25	3.37	n.a.	n.a.	n.a.	n.a.	.....	n.a.
California	15.80	15.64	14.60	18.59	n.a.	n.a.	17.10	17.92	16.17	15.00
Colorado	7.95	8.34	8.85	9.00	n.a.	n.a.	8.58	7.33	9.70	9.62
Oregon	11.77	11.55	11.77	15.40	n.a.	n.a.	12.50	12.15	11.90	12.08
Washington	10.03	10.62	9.84	10.15	n.a.	n.a.	11.18	9.88	9.00	9.98
U.S. PROC. AV ..	5.09	5.08	5.23	5.90	n.a.	n.a.	5.97	6.03	5.79	5.80

n.a.–Not available.

PRINCIPAL VEGETABLE CROPS FOR PROCESSING—Cont.

CUCUMBERS FOR PICKLES—PRODUCTION—1,000 TONS (Rounded)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Indiana	9.2	6.6	6.9	6.8	n.a.	n.a.	8.8	12.9	11.9	12.2
Michigan	126.0	117.8	105.1	100.8	n.a.	n.a.	117.2	134.4	139.2	160.8
New Jersey	14.7	9.6	11.2	10.5	n.a.	n.a.	10.4	7.3	6.5	4.9
Ohio	67.7	80.2	62.5	63.7	n.a.	n.a.	56.3	60.5	57.2	46.8
Wisconsin	61.1	64.0	53.7	47.9	n.a.	n.a.	61.4	62.0	54.0	45.8
NORTHERN	278.7	278.2	239.3	229.5	n.a.	n.a.	254.1	277.0	268.8	270.5
Alabama	7.5	(a)	(a)	(a)	n.a.	n.a.	(a)	(a)	(a)	(a)
Florida	26.4	28.4	28.8	20.0	n.a.	n.a.	21.2	24.0	24.2	23.4
Delaware	9.1	7.7	7.2	7.5	n.a.	n.a.	7.2	6.5	(a)	(a)
Maryland	19.8	27.0	26.3	28.4	n.a.	n.a.	26.3	28.4	21.1	16.3
Mississippi	(a)	(a)	(a)	(a)	n.a.	n.a.	(a)	(a)	(a)	(a)
N. Carolina	77.3	80.1	88.5	81.6	n.a.	n.a.	86.1	99.2	81.0	84.5
S. Carolina	29.7	26.8	22.6	27.6	n.a.	n.a.	35.3	48.6	45.8	38.9
Texas	55.6	36.7	41.0	23.8	n.a.	n.a.	40.8	37.5	42.6	47.0
Virginia	20.2	11.3	10.4	6.1	n.a.	n.a.	(a)	(a)	.....	(a)
SOUTHERN	245.5	217.9	224.7	195.0	n.a.	n.a.	216.9	244.2	214.6	210.1
California	61.6	68.8	52.6	63.2	n.a.	n.a.	56.4	73.5	64.7	61.5
Colorado	17.5	18.4	23.0	16.2	n.a.	n.a.	18.9	19.1	14.6	12.5
Oregon	17.7	17.3	18.8	21.6	n.a.	n.a.	25.0	25.5	22.6	23.0
Washington	18.1	13.8	13.8	15.2	n.a.	n.a.	16.8	16.8	15.3	17.0
WESTERN	114.8	118.3	108.2	116.2	n.a.	n.a.	117.1	134.9	117.1	113.9
OTHER STATES	46.5	54.6	37.0	34.7	n.a.	n.a.	30.2	38.4	39.0	40.9
PROCESSING	685.5	669.0	609.2	575.4	n.a.	n.a.	618.2	694.4	639.6	635.5
FRESH MKT	296.6	296.1	307.2	301.9	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
TOT. U.S.	982.1	965.1	916.3	877.2	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

(a) Included in "OTHER STATES". n.a. - Not available.

CUCUMBERS FOR PICKLES—VALUE PER TON—DOLLARS

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Indiana	142.00	126.00	119.00	121.00	n.a.	n.a.	130.00	131.00	119.00	160.00
Michigan	120.00	132.00	125.00	135.00	n.a.	n.a.	147.00	158.00	146.00	139.00
New Jersey	157.00	154.00	167.00	165.00	n.a.	n.a.	206.00	204.00	193.00	194.00
Ohio	132.00	150.00	168.00	189.00	n.a.	n.a.	185.00	197.00	192.00	178.00
Wisconsin	106.00	146.00	170.00	142.00	n.a.	n.a.	105.00	125.00	160.00	163.00
Alabama	114.00	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Florida	183.00	197.00	364.00	294.00	n.a.	n.a.	301.00	275.00	278.00	316.00
Delaware	107.00	128.00	147.00	156.00	n.a.	n.a.	137.00	144.00	n.a.	n.a.
Maryland	117.00	113.00	138.00	162.00	n.a.	n.a.	147.00	143.00	193.00	203.00
Mississippi	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
N. Carolina	128.00	156.00	174.00	195.00	n.a.	n.a.	171.00	198.00	195.00	196.00
S. Carolina	156.00	158.00	176.00	182.00	n.a.	n.a.	196.00	191.00	189.00	192.00
Texas	130.00	173.00	186.00	248.00	n.a.	n.a.	156.00	228.00	200.00	236.00
Virginia	123.00	120.00	125.00	143.00	n.a.	n.a.	n.a.	n.a.	.....	n.a.
California	137.00	147.00	165.00	199.00	n.a.	n.a.	232.00	189.00	200.00	198.00
Colorado	131.00	105.00	149.00	130.00	n.a.	n.a.	131.00	133.00	139.00	169.00
Oregon	136.00	137.00	144.00	157.00	n.a.	n.a.	155.00	170.00	156.00	157.00
Washington	133.00	135.00	145.00	159.00	n.a.	n.a.	162.00	185.00	160.00	80.0
U.S. PROC. AV	130.00	145.00	166.00	175.00	n.a.	n.a.	168.00	178.00	177.00	[illegible]

n.a.—Not available.

PRINCIPAL VEGETABLE CROPS FOR PROCESSING—Cont.

CUCUMBERS FOR PICKLES—TOTAL VALUE—1,000 DOLLARS

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Indiana	1,306	833	815	819	n.a.	n.a.	1,145	1,687	1,411	1,958
Michigan	15,120	15,551	13,135	13,601	n.a.	n.a.	17,221	21,235	20,323	22,351
New Jersey	2,308	1,478	1,870	1,726	n.a.	n.a.	2,142	1,483	1,258	951
Ohio	8,936	12,030	10,505	12,030	n.a.	n.a.	10,416	11,915	10,990	8,330
Wisconsin	6,471	9,340	9,126	6,795	n.a.	n.a.	6,446	7,748	8,640	7,461
NORTHERN† ...	34,141	39,232	35,451	34,971	n.a.	n.a.	37,370	44,068	42,622	41,051
Alabama	849	(a)	(a)	(a)	n.a.	n.a.	(a)	(a)	(a)	(a)
Florida	4,831	5,585	10,483	5,880	n.a.	n.a.	6,366	6,600	6,728	7,394
Delaware	974	984	1,058	1,170	n.a.	n.a.	981	940	(a)	(a)
Maryland	2,311	3,054	3,623	4,606	n.a.	n.a.	3,865	4,054	4,070	3,305
Mississippi	(a)	(a)	(a)	(a)	n.a.	n.a.	(a)	(a)	(a)	(a)
N. Carolina	9,894	12,494	15,397	15,912	n.a.	n.a.	14,728	19,648	15,787	16,556
S. Carolina	4,615	4,236	3,969	5,016	n.a.	n.a.	6,927	9,273	8,647	7,476
Texas	7,228	6,347	7,622	5,905	n.a.	n.a.	6,365	8,555	8,528	11,101
Virginia	2,485	1,350	1,300	868	n.a.	n.a.	(a)	(a)	.....	(a)
SOUTHERN† ...	33,187	34,050	43,452	39,357	n.a.	n.a.	39,232	49,070	43,760	45,832
California	8,439	10,117	8,672	12,579	n.a.	n.a.	13,092	13,886	12,936	12,177
Colorado	2,293	1,927	3,428	2,106	n.a.	n.a.	2,473	2,535	2,022	2,114
Oregon	2,400	2,374	2,712	3,385	n.a.	n.a.	3,875	4,338	3,527	3,603
Washington	2,401	1,863	1,998	2,422	n.a.	n.a.	2,717	3,108	2,448	3,055
WESTERN†	15,533	16,281	16,810	20,492	n.a.	n.a.	22,157	23,867	20,933	20,949
OTHER STATES	5,953	7,623	5,551	5,809	n.a.	n.a.	5,064	6,634	6,085	6,542
PROCESSING ...	88,814	97,186	101,264	100,629	n.a.	n.a.	103,823	123,639	113,400	114,374

(a)—Included in "OTHER STATES" †Area totals do not include quantities in "OTHER STATES".

PEAS, GREEN—HARVESTED ACREAGE—1,000 ACRES (Rounded)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Delaware	8.5	10.0	5.8	7.8	7.9	9.4	11.5	12.4	9.6	9.7
Maryland	6.0	7.6	4.0	4.2	3.1	2.9	2.5	1.9	(a)	(a)
New York	5.7	6.2	6.0	7.8	8.8	9.2	9.2	12.0	8.7	9.9
EAST†	20.2	23.8	15.8	19.8	19.8	21.5	23.2	26.3	18.3	19.6
Michigan	4.3	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Minnesota	67.9	73.0	66.3	56.8	60.8	64.2	74.2	81.5	72.7	76.3
Wisconsin	97.0	109.6	101.1	84.2	79.1	81.0	86.2	98.1	70.9	82.5
MID-WEST†	169.2	182.6	167.4	141.0	139.9	145.2	160.4	179.6	143.6	158.8
California	9.2	10.3	5.9	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Colorado	.3	.4	.....	.....	.....	.....	....	.....	.....	.....
Idaho	8.0	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Oregon	36.9	42.0	32.6	32.3	33.7	34.4	33.6	35.4	29.2	33.3
Washington	75.0	81.1	57.8	59.6	67.7	65.6	64.4	61.5	47.6	41.5
WEST†	129.4	133.8	96.3	91.9	101.4	100.0	98.0	96.9	76.8	74.8
OTHER STATES	36.7	52.1	42.2	40.4	42.7	42.1	48.9	50.8	33.7	37.1
For Freezing ..	138.6	155.4	118.2	119.1	152.6	150.5	158.9	171.2	128.2	132.3
For Canning ...	216.9	236.9	203.5	174.0	151.3	158.3	171.6	182.4	144.2	158.0
T. U.S. PROC	355.5	392.3	321.7	293.1	303.8	308.8	330.5	353.6	272.4	290.3

(a) Included in "OTHER STATES". † Area totals do not include quantities in "OTHER STATES".

PRINCIPAL VEGETABLE CROPS FOR PROCESSING—Continued

PEAS, GREEN—YIELD PER ACRE—POUNDS SHELLED

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Delaware	2,500	2,640	3,060	3,200	3,460	2,940	2,800	3,580	3,220	2,560
Maryland	2,960	3,400	3,100	3,560	3,440	2,340	3,260	4,240	n.a.	n.a.
New York	2,840	3,360	3,360	3,700	3,400	3,000	3,280	4,680	3,700	3,280
Michigan	2,460	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Minnesota	2,440	3,060	2,360	3,080	3,200	2,500	2,760	3,160	2,600	2,740
Wisconsin	2,240	3,240	3,040	2,980	3,740	2,720	2,960	3,280	3,220	2,780
California	2,180	3,920	3,320	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Colorado	2,900	2,640	.....	.....	.....	.....	.....	.....	.....	.....
Idaho	3,960	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Oregon	2,460	2,140	3,320	2,740	2,180	2,340	2,960	2,440	2,340	2,620
Washington	3,160	3,440	3,300	2,960	3,200	2,980	3,400	3,200	3,420	4,120
For Freezing ..	2,980	3,160	3,100	3,100	3,020	2,720	3,100	3,300	3,100	3,220
For Canning ...	2,340	3,120	2,960	3,120	3,520	2,800	2,900	3,240	3,000	2,860
U.S. PROC. AV. .	2,600	3,120	3,020	3,100	3,260	2,760	3,000	3,260	3,040	3,020

n.a.-Not available.

PEAS, GREEN—PRODUCTION—1,000 TONS SHELLED

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Delaware	10.7	13.2	8.9	12.5	13.7	13.8	16.1	22.2	15.5	12.4
Maryland	8.9	12.9	6.2	7.5	5.3	3.4	4.1	4.0	(a)	(a)
New York	8.1	10.4	10.1	14.4	15.0	13.8	15.1	28.1	16.1	16.2
EAST†	27.6	36.5	25.2	34.4	34.0	31.0	35.3	54.3	31.6	28.7
Michigan	5.3	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Minnesota	82.9	111.7	78.2	87.5	97.3	80.3	102.4	128.8	94.5	104.5
Wisconsin	108.7	177.6	153.7	125.5	147.9	110.2	127.6	160.9	114.2	114.7
MID-WEST†	196.8	289.2	231.9	212.9	245.2	190.4	230.0	289.7	208.7	219.2
California	10.1	20.2	9.8	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Colorado	.5	.5	.....	.....	.....	.....	.....	.....	.....	.....
Idaho	15.8	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Oregon	45.4	44.9	54.1	44.3	36.7	40.3	49.7	43.2	34.2	43.6
Washington	118.5	139.5	95.4	88.2	108.3	97.7	109.5	98.4	81.4	85.5
WEST†	190.2	205.1	159.3	132.5	145.1	138.0	159.2	141.6	115.6	129.1
OTHER STATES	46.5	82.5	67.9	75.3	72.1	66.3	70.9	92.3	59.1	62.6
For Freezing ..	206.7	244.8	182.9	184.2	230.7	204.8	246.3	282.3	198.7	213.4
For Canning ...	254.4	368.6	301.3	270.8	265.6	220.9	249.0	295.6	216.2	226.1
T. U.S. PROC. ...	461.1	613.4	484.2	455.1	496.3	425.7	495.3	577.8	414.9	439.5

(a) Included in "OTHER STATES". †Area totals do not include quantities in "OTHER STATES".

PEAS, GREEN—VALUE PER TON—DOLLARS

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Delaware	224.00	199.00	248.00	238.00	270.00	209.00	276.00	277.00	239.00	229.00
Maryland	225.00	187.00	261.00	245.00	275.00	232.00	282.00	304.00	n.a.	n.a.
New York	250.00	249.00	278.00	284.00	286.00	285.00	301.00	305.00	281.00	261.00
Michigan	198.00	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Minnesota	218.00	220.00	244.00	230.00	236.00	229.00	243.00	240.00	232.00	214.00
Wisconsin	202.00	195.00	197.00	218.00	199.00	215.00	222.00	226.00	208.00	217.00
California	208.00	249.00	230.00	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Colorado	270.00	270.00	.....	.....	.....	.....	.....	.....	.....	.....
Idaho	219.00	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Oregon	150.00	169.00	173.00	179.00	202.00	173.00	211.00	204.00	198.00	200.00
Washington	204.00	222.00	193.00	203.00	235.00	205.00	246.00	240.00	251.00	254.00
For Freezing ..	200.00	218.00	202.00	206.00	240.00	212.00	244.00	252.00	244.00	238.00
For Canning ...	210.00	205.00	214.00	226.00	215.00	220.00	230.00	228.00	210.00	211.00
U.S. PROC. AV ..	206.00	210.00	209.00	218.00	227.00	217.00	237.00	240.00	226.00	224.00

n.a.- Not available.

PEAS, GREEN—TOTAL VALUE—1,000 DOLLARS

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Delaware	2,386	2,627	2,195	2,970	3,691	2,888	4,444	6,149	3,695	2,844
Maryland	1,991	2,416	1,618	1,833	1,466	786	1,151	1,225	(a)	(a)
New York	2,025	2,595	2,802	4,098	4,279	3,933	4,542	8,564	4,524	4,239
EAST†	6,402	7,638	6,615	8,901	9,436	7,607	10,137	15,938	8,219	7,083
Michigan	1,049	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Minnesota	18,061	24,572	19,088	20,118	22,958	18,377	24,883	30,905	21,926	22,369
Wisconsin	21,947	34,622	30,273	27,350	29,436	23,684	28,323	36,359	23,743	24,886
MID-WEST†	41,057	59,194	49,361	47,468	52,394	42,061	53,206	67,264	45,669	47,255
California	2,090	5,027	2,251	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Colorado	122	135	.....	.....	.....	.....	.....	.....	.....	.....
Idaho	3,460	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Oregon	6,810	7,595	9,363	7,921	7,419	6,963	10,493	8,811	6,764	8,724
Washington	24,174	30,967	18,406	17,907	25,455	20,037	26,932	23,616	20,431	21,714
WEST†	36,656	43,724	27,769	25,828	32,874	27,000	37,425	32,427	27,195	30,438
OTHER STATES	10,738	18,534	15,396	16,859	17,837	15,521	16,498	22,860	12,698	13,800
For Freezing ..	41,327	53,380	36,865	37,918	55,394	43,495	60,045	71,177	48,459	50,874
For Canning ...	53,526	75,710	64,527	61,138	57,147	48,694	57,221	67,312	45,322	47,702
T. U.S. PROC. ...	94,853	129,090	101,392	99,056	112,541	92,189	117,266	138,489	93,781	98,576

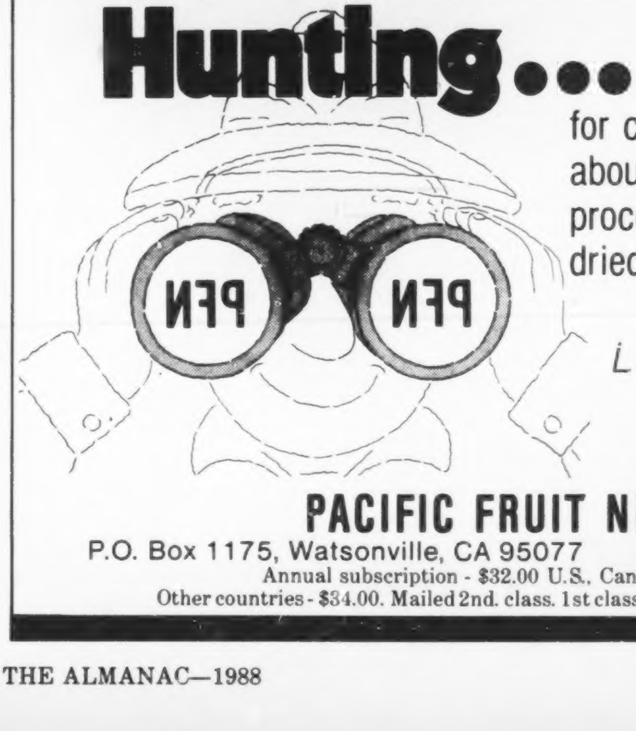
(a)-Included in "OTHER STATES". †Area totals do not include quantities in "OTHER STATES".

Find PEA PACKERS
in The New ! 1988 - 89 DIRECTORY
See Sample Pages at pages 645 - 650 this Almanac

TOMATOES—HARVESTED ACREAGE—1,000 ACRES (Rounded)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
New York	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
New Jersey	7.2	7.0	5.4	5.4	5.6	4.4	4.0	4.2	3.0	2.9
Pennsylvania	3.9	4.4	3.4	4.8	5.0	5.0	3.3	2.8	2.9	2.1
†MIDATLANT ..	11.1	11.4	8.8	10.2	10.6	9.4	7.3	7.0	5.9	5.0
Delaware	(a)	(a)	(a)	(a)	1.2	.8	.8	1.1	(a)	(a)
Maryland	3.9	2.8	3.4	3.3	4.1	2.6	2.9	2.3	1.8	1.2
Virginia	3.8	3.6	2.1	1.4	1.8	1.7	1.2	1.4	(a)	(a)
†DELMARVA ...	7.7	6.4	5.5	4.7	7.1	5.1	4.9	4.8	1.8	1.2
Ohio	19.7	18.7	16.8	14.1	18.8	19.0	15.9	15.9	14.8	16.0
Indiana	9.5	10.6	9.6	5.7	6.7	7.6	7.6	6.8	6.4	6.7
Illinois	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Michigan	4.5	5.6	6.0	6.2	9.7	9.2	7.4	6.6	5.4	5.0
†NO. CENTRAL .	33.7	34.9	32.4	26.0	35.2	35.8	30.9	29.3	26.6	27.7
Florida	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Texas	2.5	2.0	1.4	1.2	2.7	(a)	(a)	(a)	(a)	(a)
†SOUTH	2.5	2.0	1.4	1.2	2.7	(a)	(a)	(a)	(a)	(a)
Colorado	.8	.8	.5	.7	.9	1.1	1.0	.9	.7	.6
New Mexico	.6	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Utah	(a)	(a)	(a)	(a)	(a)	(a)	(a)	.....	(a)	(a)
California	231.9	250.0	208.3	204.3	232.0	233.5	239.7	217.0	210.4	214.0
†WEST	233.3	250.8	208.8	205.0	232.9	234.6	240.7	217.9	211.1	214.6
OTHER STS	7.3	6.6	6.2	6.8	6.8	7.1	8.1	6.5	6.7	8.1
PROCESSING ...	295.6	312.0	263.0	253.9	295.3	292.0	291.9	265.5	252.1	256.6
FRESH MKT ...	130.2	125.2	126.3	127.0	119.7	123.3	122.9	124.6	127.1	129.6
TOT. U.S.	425.8	437.2	389.3	380.9	415.0	415.3	414.8	390.1	379.2	386.2

† Area totals do not include quantities in "Other States". (a) Included in "Other States". n.a. Not available.



Hunting...

for curent information about West Coast processed fruits, vegetables, dried fruit, tree nuts?

YOU'RE LOOKING IN THE RIGHT PLACE when you read

PACIFIC FRUIT NEWS *every week!*

P.O. Box 1175, Watsonville, CA 95077 Tel: (408) 728-3113
Annual subscription - $32.00 U.S., Canada & Mexico.
Other countries - $34.00. Mailed 2nd. class. 1st class or air mail postage extra.

PRINCIPAL VEGETABLE CROPS FOR PROCESSING—Cont.

TOMATOES—YIELD PER ACRE—TONS

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
New York	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
New Jersey	12.9	14.0	11.5	18.0	19.1	15.7	19.7	22.0	17.4	19.4
Pennsylvania	19.5	16.7	11.9	16.7	16.9	16.4	18.1	19.5	17.6	14.1
Delaware	n.a.	n.a.	n.a.	n.a.	14.9	13.4	18.1	12.7	n.a.	n.a.
Maryland	11.3	12.8	7.9	15.0	15.8	13.6	18.1	17.9	13.8	14.2
Virginia	10.5	11.9	8.6	13.0	15.4	7.4	12.0	18.0	n.a.	n.a.
Ohio	20.2	18.7	15.0	18.0	19.6	21.4	24.5	25.5	26.0	23.0
Indiana	21.1	14.6	11.1	14.6	20.8	18.4	21.3	20.6	21.6	23.4
Illinois	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Michigan	18.0	18.1	12.3	19.1	21.1	19.9	23.5	25.2	24.7	23.7
Florida	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Texas	8.6	8.7	7.1	5.3	9.1	n.a.	n.a.	n.a.	n.a.	n.a.
Colorado	15.3	10.8	13.0	14.2	16.1	16.0	14.0	20.1	16.7	12.9
New Mexico	8.0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Utah	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	.....	n.a.	n.a.
California	22.8	25.4	26.6	24.0	26.5	25.6	27.5	28.1	30.8	31.3
U.S. PROC. AV ..	21.5	23.5	23.6	22.5	24.7	24.1	26.3	27.0	29.3	29.6

TOMATOES—PRODUCTION—1,000 TONS (Rounded)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
New York	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
New Jersey	92.9	98.0	62.0	97.0	106.8	69.1	78.6	92.2	52.3	56.3
Pennsylvania	76.1	73.3	40.4	80.0	84.3	82.2	59.8	54.5	51.1	29.7
†MIDATLANT ..	169.0	171.3	102.4	177.0	191.0	151.2	138.5	146.7	103.4	86.0
Delaware	(a)	(a)	(a)	(a)	17.8	11.2	14.8	13.9	(a)	(a)
Maryland	44.0	35.9	26.9	49.6	64.6	35.3	52.6	41.2	24.8	17.0
Virginia	40.0	43.0	18.0	18.2	27.7	12.5	14.4	25.2	(a)	(a)
†DELMARVA ...	84.0	78.9	44.9	67.8	110.1	59.0	81.8	80.3	24.8	17.0
Ohio	398.4	349.3	252.0	253.1	368.1	406.6	389.6	405.0	384.8	368.0
Indiana	200.1	154.8	106.6	83.4	139.6	139.6	162.0	140.1	138.1	156.9
Illinois	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Michigan	81.2	101.4	73.7	118.3	204.7	183.1	173.9	166.3	133.4	118.5
† NO. CENT	679.6	605.5	432.2	454.8	712.3	729.3	725.5	711.4	656.3	643.4
Florida	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Texas	21.6	17.4	9.9	6.4	24.6	(a)	(a)	(a)	(a)	(a)
†SOUTH	21.6	17.4	9.9	6.4	24.6	(a)	(a)	(a)	(a)	(a)
Colorado	11.6	8.1	6.1	9.9	13.8	17.6	13.8	17.3	10.8	7.6
New Mexico	4.8	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Utah	(a)	(a)	(a)	(a)	(a)	(a)	(a)	.....	(a)	(a)
California	5,289.7	6,350.0	5,540.8	4,903.2	6,148.0	5,972.9	6,591.8	6,102.0	6,480.3	6,702.5
†WEST	5,306.1	6,358.1	5,546.9	4,913.1	6,161.8	5,990.5	6,605.6	6,119.3	6,491.2	6,710.1
OTHER STS	107.6	98.4	74.3	97.1	99.1	99.8	129.8	119.5	117.7	140.2
PROCESSING ...	6,367.7	7,329.5	6,210.6	5,716.1	7,299.0	7,029.8	7,681.2	7,177.1	7,393.3	7,596.6
FRESH MKT ...	1,120.4	1,164.6	1,269.7	1,299.1	1,338.5	1,361.9	1,409.5	1,494.9	1,577.7	1,587.4
TOT. U.S.	7,488.1	8,494.1	7,480.3	7,015.2	8,637.5	8,391.7	9,090.6	8,672.0	8,971.0	9,184.0

†Area totals do not include quantities in Other States. (a) Included in Other States. n.a. Not available.

PRINCIPAL VEGETABLE CROPS FOR PROCESSING—Cont.

TOMATOES—VALUE PER TON—DOLLARS

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
New York	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
New Jersey	65.00	70.20	74.20	86.60	87.40	83.00	80.40	75.00	72.80	72.00
Pennsylvania	64.00	65.80	71.20	80.50	86.30	83.50	79.90	75.50	72.50	75.60
Delaware	n.a.	n.a.	n.a.	n.a.	84.40	71.50	76.50	72.10	n.a.	n.a.
Maryland	66.80	60.70	71.00	79.50	82.00	75.50	76.70	72.70	69.60	72.60
Virginia	67.40	70.40	73.60	82.20	85.40	79.30	81.80	80.90	n.a.	n.a.
Ohio	67.80	67.80	71.10	85.40	89.10	84.70	83.10	77.20	74.30	71.70
Indiana	68.50	72.70	74.30	89.00	89.50	86.90	84.60	79.20	81.10	75.30
Illinois	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Michigan	67.30	68.30	72.90	86.00	92.60	84.00	84.00	80.00	76.00	69.20
Florida	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Texas	68.30	62.10	67.50	75.00	75.70	n.a.	n.a.	n.a.	n.a.	n.a.
Colorado	63.00	64.60	66.90	72.10	67.60	69.80	79.70	71.10	67.60	84.20
New Mexico	75.00	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Utah	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	.....	n.a.	n.a.
California	63.70	67.50	59.70	64.70	68.50	65.70	64.80	64.10	62.20	57.20
PROC. AV.	64.20	67.60	61.00	67.50	71.60	68.40	67.40	66.30	63.90	59.00

TOMATOES—TOTAL VALUE—1,000 DOLLARS

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
New York	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
New Jersey	6,035	6,880	4,600	8,398	9,333	5,734	6,323	6,914	3,805	4,051
Pennsylvania	4,870	4,821	2,875	6,442	7,271	6,860	4,780	4,112	3,705	2,245
†MIDATLANT ..	10,905	11,701	7.475	14,840	16,604	12,594	11,103	11,026	7,510	6,296
Delaware	(a)	(a)	(a)	(a)	1,505	802	1,134	1,005	(a)	(a)
Maryland	2,936	2,179	1,910	3,943	5,299	2,664	4,033	2,993	1,726	1,234
Virginia	2,696	3,024	1,322	1,496	2,361	992	1,178	2,039	(a)	(a)
†DELMARVA ...	5,632	5,203	3,232	5,439	9,165	4,458	6,345	6,037	1,726	1,234
Ohio	27,008	23,684	17,917	21,615	32,798	34,439	32,372	31,264	28,591	26,386
Indiana	13,703	11,251	7,917	7,422	12,491	12,132	13,708	11,094	11,201	11,811
Illinois	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Michigan	5,465	6,927	5,371	10,174	18,952	15,379	14,608	13,306	10,137	8,200
†NO. CENT	46,176	41,862	31,205	39,211	64,241	61,950	60,688	55,664	49,929	46,397
Florida	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Texas	1,472	1,081	671	478	1,860	(a)	(a)	(a)	(a)	(a)
†SOUTH	1,472	1,081	671	478	1,860	(a)	(a)	(a)	(a)	(a)
Colorado	731	523	409	715	935	1,225	1,101	1,230	733	639
New Mexico	360	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Utah	(a)	(a)	(a)	(a)	(a)	(a)	(a)	.....	(a)	(a)
California	336,951	428,625	330,785	317,237	421,138	392,422	427,145	391,141	403,076	383,382
†WEST	338,042	429,148	331,194	317,952	422,073	393,647	428,246	392,371	403,809	384,021
OTHER STS	6,723	6,481	5,076	7,712	8,479	8,277	11,106	10,611	9.564	10,617
PROCESSING ...	408,950	495,476	378,853	385,632	522,422	480,926	517,488	475,709	472,538	448,565

(a) Included in OTHER STATES. †Area totals do not include quantities in OTHER STATES. n.a. Not available.

COMMODITY SUMMARIES—HARVESTED ACREAGE—1,000 ACRES

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Beans, Lima	68.1	65.4	50.8	49.7	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Beans, Snap	280.4	285.4	255.7	218.3	204.4	196.7	216.6	222.2	190.6	220.3
Beets	17.3	17.4	13.3	10.0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Cabbage/Kraut ..	10.6	9.8	9.1	10.2	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Corn, Sweet	429.6	417.6	375.4	401.0	446.9	399.8	427.2	435.3	413.4	430.9
Cucumbers for Pickles	134.7	131.7	116.4	97.5	n.a.	n.a.	103.6	115.2	110.5	109.6
Peas, Green	355.5	392.3	321.7	293.1	303.8	308.8	330.5	353.6	272.4	290.3
Spinach	20.2	20.8	21.6	19.9	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Tomatoes	295.6	312.0	263.0	253.9	295.3	292.0	291.9	265.5	252.1	256.6
TOTAL ABOVE ..	1,612.0	1,652.5	1,427.1	1,353.5	1,250.5	1,197.4	1,369.8	1,391.8	1,238.9	1,307.8

COMMODITY SUMMARIES—YIELD PER ACRE—TONS

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Beans, Lima	1.21	1.36	1.21	1.31	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Beans, Snap	2.56	2.69	2.75	3.08	3.15	2.99	3.07	3.16	3.20	3.07
Beets	12.79	14.32	15.40	15.59	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Cabbage/Kraut ..	20.60	24.27	22.87	24.22	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Corn, Sweet	5.67	5.90	5.75	5.93	6.13	5.57	5.97	6.06	6.19	6.65
Cucumbers for Pickles	5.09	5.08	5.23	5.90	n.a.	n.a.	5.97	6.03	5.79	5.80
Peas, Green	1.30	1.56	1.51	1.55	1.63	1.38	1.50	1.63	1.52	1.51
Spinach	6.72	7.43	7.61	7.69	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Tomatoes	21.54	23.49	23.61	22.51	24.72	24.07	26.32	27.03	29.33	29.60

COMMODITY SUMMARIES—PRODUCTION—1,000 TONS

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Beans, Lima	82.7	89.2	61.3	65.0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Beans, Snap	716.6	769.1	704.2	672.2	643.9	587.4	666.1	702.5	609.4	676.3
Beets	221.6	249.7	205.4	155.7	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Cabbage/Kraut ..	217.8	237.8	209.0	246.1	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Corn, Sweet	2,434.7	2,463.9	2,158.0	2,378.2	2,740.5	2,227.1	2,552.2	2,640.0	2,559.4	2,866.6
Cucumbers for Pickles	685.5	669.0	609.2	575.4	n.a.	n.a.	618.2	694.4	639.6	635.5
Peas, Green	461.1	613.4	484.2	455.1	496.3	425.7	495.3	577.8	414.9	439.5
Spinach	135.9	154.4	164.7	152.8	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Tomatoes	6,367.7	7,329.5	6,210.6	5,716.1	7,299.0	7,029.8	7,681.2	7,177.1	7,393.3	7,596.6
TOTAL ABOVE ..	11,323.5	12,576.0	10,806.6	10,416.5	11,179.6	10,270.1	12,013.0	11,791.9	11,616.6	12,214.5

COMMODITY SUMMARIES—VALUE PER TON—DOLLARS

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Beans, Lima	359.00	368.00	410.00	440.00	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Beans, Snap	146.00	153.00	156.00	166.00	166.00	160.00	171.00	169.00	159.60	160.00
Beets	39.70	42.20	47.20	47.20	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Cabbage/Kraut ..	31.50	31.60	34.10	36.80	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Corn, Sweet	49.90	51.30	53.70	63.10	61.40	59.80	63.70	63.40	58.90	59.30
Cucumbers for Pickles	130.00	145.00	166.00	175.00	n.a.	n.a.	168.00	178.00	177.30	180.00
Peas, Green	206.00	210.00	209.00	218.00	227.00	217.00	237.00	240.00	226.00	224.30
Spinach	78.90	86.10	91.90	86.00	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Tomatoes	64.20	67.60	61.00	67.50	71.60	68.40	67.40	66.30	63.90	59.00

COMMODITY SUMMARIES—TOTAL VALUE—1,000 DOLLARS

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Beans, Lima	29,704	32,831	25,137	28,600	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Beans, Snap	104,630	117,869	110,034	111,394	106,610	94,252	113,935	118,799	97,262	108,194
Beets	8,793	10,536	9,685	7,348	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Cabbage/Kraut...	6,857	7,525	7,121	9,045	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Corn, Sweet......	121,445	126,439	115,824	150,048	168,165	133,233	162,530	167,297	150,821	169,984
Cucumbers for pickles	88,814	97,186	101,264	100,629	n.a.	n.a.	103,823	123,639	113,400	114,374
Peas, Green......	94,853	129,090	101,392	99,056	112,541	92,189	117,266	138,489	93,781	98,576
Spinach	10,722	13,287	15,139	13,144	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Tomatoes........	408,950	495,476	378,853	385,632	522,422	480,926	517,488	475,709	472,538	448,565
TOTAL ABOVE...	874,768	1,030,239	864,449	904,896	909,738	800,600	1,015,042	1,023,933	927,802	939,693

PRINCIPAL VEGETABLE CROPS FOR PROCESSING—Cont.

*STATE SUMMARIES—HARVESTED ACREAGE—1,000 ACRES

State	1978	1979	1980	1981	*1982	*1983	*1984	*1985	*1986	*1987
Maine	7.1	8.0	7.6	8.2	8.9	8.5	9.9	10.4	(a)	(a)
New Hamp	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Vermont	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mass	1.7	1.6	.9	.7	.....	.....	.6	.6	.5	.4
Conn	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New York	88.5	83.0	78.9	77.6	70.9	70.1	71.8	76.9	62.5	68.1
New Jersey	19.3	16.8	14.7	15.5	14.9	10.6	14.6	15.8	10.7	12.7
Penna	14.9	14.6	15.0	16.1	17.4	15.0	13.5	13.5	12.8	14.2
N. ATLANT	131.6	124.1	117.0	118.2	112.1	104.2	110.4	117.1	86.5	95.4
Ohio	28.1	26.5	24.2	20.9	19.0	19.1	20.7	21.0	19.6	20.8
Indiana	20.0	20.3	18.3	9.3	9.6	11.0	15.8	12.6	10.4	15.8
Illinois	95.2	95.0	74.4	68.2	58.8	55.3	61.3	57.2	44.2	45.7
Michigan	52.5	51.5	42.0	38.9	26.8	26.7	48.7	53.3	50.3	51.0
Wisconsin	304.3	338.9	308.7	287.0	265.8	271.3	300.6	322.0	278.1	316.9
Minnesota	185.5	178.1	174.0	168.6	184.7	176.7	194.7	206.1	202.0	194.4
Iowa	7.7	5.7	3.8	4.4	5.5	4.7	5.6	5.3	4.1	4.3
Missouri	1.7	.5	1.5	.9	.5	.4	1.2	1.7	(a)	(a)
N. Dakota	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
S. Dakota	.1	.1	.1	(c)	.....	.....	(a)	(a)	(a)	.....
Nebraska	.2	.1	.5	.2	.....	.....	(a)	(a)	(a)	(a)
Kansas	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
N. CENT	695.2	716.6	647.4	598.4	570.7	565.3	648.5	679.1	608.7	648.9
Delaware	35.2	30.4	26.1	26.7	16.7	17.2	21.7	22.8	19.8	20.9
Maryland	34.8	36.0	26.9	24.5	18.4	16.7	19.5	19.4	16.3	13.7
Virginia	13.3	11.7	8.3	5.1	3.6	2.1	3.2	2.7	.9	3.3
W. Va.	.1	.1	(c)	(c)	(c)	(c)	(a)	(a)	.....	.....
N.C.	31.2	32.7	28.8	28.0	2.4	2.1	27.6	31.1	25.7	25.3
S.C.	9.7	10.9	8.7	10.9	.4	.1	9.5	13.8	13.6	13.6
Georgia	4.3	4.6	2.9	3.9	.9	1.3	2.6	3.0	2.5	2.8
Florida	21.8	22.8	17.0	8.9	3.8	2.1	8.6	7.3	5.9	5.2
S. ATLANT	150.4	149.2	118.8	107.9	46.2	41.7	92.6	100.1	84.7	84.8
Kentucky	2.3	1.2	1.0	.7	.....	.....	(a)	(a)	(a)	(a)
Tenn	12.9	10.9	13.7	9.2	6.9	4.9	5.3	5.0	5.3	5.4
Alabama	9.7	8.4	2.6	1.9	1.3	1.3	2.0	1.2	2.5	3.2
Miss	4.2	3.5	3.5	1.1	.....	.....	(a)	(a)	(a)	(a)
Arkansas	6.4	6.5	4.7	6.2	3.6	3.3	3.1	3.4	2.9	3.9
Louisiana	.1	.2	.2	.....	.....	.....	.....	.....	.....	.....
Oklahoma	3.0	2.2	4.2	4.4	1.3	.8	(a)	(a)	(a)	(a)
Texas	20.1	20.3	18.4	12.8	5.3	4.1	13.5	10.6	10.6	13.4
S. CENT	58.8	53.1	48.2	36.3	18.4	14.4	23.9	20.2	21.2	26.0
Montana	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Idaho	35.2	35.2	30.9	28.2	29.1	24.8	27.9	28.4	26.6	27.2
Wyoming	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Colorado	4.8	4.9	3.9	3.5	1.4	1.1	3.2	3.5	2.2	1.9
New Mexico	.6	.3	.4	.2	.2	.2	(a)	(a)	(a)	(a)
Arizona	.7	.5	.4	.2	.....	.....	(a)	(a)	(a)	(a)
Utah	4.8	4.7	4.9	4.5	2.6	2.6	2.3	2.4	1.2	2.3
Wash	121.8	127.9	100.6	106.8	121.5	105.3	99.9	103.6	85.8	88.9
Oregon	116.9	122.7	101.5	103.0	104.9	95.6	101.5	99.3	88.3	94.4
Calif	291.6	313.4	253.2	246.3	243.4	242.2	255.1	233.4	222.4	227.0
WESTERN	576.2	609.6	495.8	492.6	503.1	471.8	489.9	470.6	426.5	441.8
OTHER STATES	.....	.....	.....	.....	.....	.....	4.4	4.6	11.4	11.1
T. U.S. PROC.	1,612.0	1,652.5	1,427.1	1,353.5	1,250.4	1,197.4	1,369.8	1,391.8	1,238.9	1,307.8

*Up thru 1981 includes lima beans, snap beans, beets, cabbage/kraut, sweet corn, cucumbers for pickles, green peas, spinach, tomatoes. Beginning in 1982 includes snap beans, corn, green peas, tomatoes, with cucumbers added back in 1984. (a) Included in "OTHER STATES". (c) Less than 50 acres.

PRINCIPAL VEGETABLE CROPS FOR PROCESSING-Cont.
*STATE SUMMARIES—PRODUCTION—1,000 TONS

State	1978	1979	1980	1981	*1982	*1983	*1984	*1985	*1986	*1987
Maine	8.4	11.8	8.4	13.1	11.0	9.7	10.6	18.9	(a)	(a)
New Hamp.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Vermont	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mass.	13.4	12.7	8.0	8.8	.....	.....	7.8	7.3	8.5	6.3
Conn.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New York	403.8	420.6	380.8	387.8	275.6	256.6	278.4	266.9	233.1	312.2
New Jersey	127.9	124.1	92.2	132.0	131.5	80.4	113.9	131.2	76.3	80.9
Penn.	107.8	97.9	66.2	109.0	116.0	102.0	93.5	90.2	73.7	57.4
N. ATLANT.	661.2	667.0	555.5	650.7	534.1	448.6	504.2	514.4	391.5	456.8
Ohio	500.7	465.6	343.1	348.8	368.5	406.7	445.9	466.3	442.7	415.3
Indiana	245.0	192.0	136.6	102.6	152.0	148.1	202.8	169.2	159.4	198.4
Illinois	352.1	373.3	248.6	292.8	261.2	214.0	285.1	299.9	218.6	228.0
Michigan	259.9	267.5	234.7	267.7	246.5	227.7	343.2	359.9	326.3	334.9
Wisconsin	1,024.1	1,214.8	1,081.1	1,138.8	900.3	889.1	1,062.7	1,140.5	1,071.8	1,209.9
Minnesota	744.5	694.1	647.1	681.7	796.1	590.2	790.2	836.7	851.6	857.6
Iowa	46.6	37.0	24.7	27.3	32.3	27.0	34.0	38.8	37.6	45.4
Missouri	2.4	1.0	2.1	3.2	1.8	1.3	3.5	5.8	(a)	(a)
N. Dakota	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
S. Dakota	.2	.2	.2	.1	.....	.....	(a)	(a)	(a)	.....
Nebraska	.7	.7	2.4	.9	.....	.....	(a)	(a)	(a)	(a)
Kansas	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
N. CENT.	3,175.9	3,246.2	2,720.6	2,863.9	2,758.6	2,504.0	3,167.3	3,317.0	3,108.0	3,289.5
Delaware	66.7	60.3	55.7	54.3	61.7	49.2	72.3	77.4	58.9	58.8
Maryland	138.7	142.9	107.2	132.4	115.9	74.6	138.3	135.5	94.1	75.3
Virginia	72.5	67.6	33.2	29.2	32.7	13.2	18.2	28.7	5.3	9.2
W. Va.	.8	.9	.2	.5	.3	.3	(a)	(a)	.....	.....
N.C.	81.4	91.3	95.3	93.2	17.7	10.2	93.6	104.8	82.0	85.2
S.C.	29.7	26.9	23.7	28.3	.4	.1	36.1	49.6	47.6	40.7
Georgia	11.4	10.7	7.9	10.7	2.2	2.3	9.6	10.2	6.9	7.6
Florida	80.4	88.5	65.0	49.7	24.6	18.9	41.7	41.4	39.1	35.8
S. ATLANT.	481.5	489.0	388.2	398.2	255.5	168.7	409.6	447.6	334.0	312.4
Kentucky	7.6	5.6	4.4	3.2	.....	.....	(a)	(a)	(a)	(a)
Tenn.	26.8	23.7	21.6	29.1	17.9	8.9	11.3	11.3	7.6	10.8
Alabama	15.3	18.3	4.9	5.4	2.6	2.1	2.8	3.2	4.0	5.2
Miss.	6.7	5.4	2.6	2.8	.....	.....	(a)	(a)	(a)	(a)
Arkansas	18.4	16.7	12.2	18.6	10.0	7.3	4.4	7.5	4.3	8.6
Louisiana	.2	.3	.1	.....	.....	.....	.....	.....	.....	.....
Oklahoma	12.3	7.0	19.7	22.0	4.5	2.5	(a)	(a)	(a)	(a)
Texas	121.5	96.9	98.1	67.9	31.2	22.4	80.3	60.8	59.9	65.5
S. CENT.	208.7	173.9	163.5	148.9	66.3	43.2	98.8	82.8	75.8	90.1
Montana	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Idaho	185.2	213.1	172.1	167.9	200.4	137.7	159.3	165.1	174.1	185.5
Wyoming	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Colorado	36.0	34.8	32.2	31.8	15.8	17.6	32.7	36.4	25.4	20.1
New Mexico	4.8	2.8	4.0	2.3	2.2	2.5	(a)	(a)	(a)	(a)
Arizona	2.7	1.8	1.6	.5	.....	.....	(a)	(a)	(a)	(a)
Utah	17.4	23.3	19.9	20.2	9.5	7.8	8.2	10.4	3.3	9.2
Wash.	469.0	487.6	432.4	448.6	585.2	452.6	375.7	446.6	397.1	509.7
Oregon	577.1	612.5	570.0	573.4	580.1	495.6	568.5	548.3	518.0	528.4
California	5,504.3	6,624.1	5,746.7	5,110.1	6,172.2	5,991.8	6,675.4	6,209.4	6,564.1	6,784.2
WESTERN	6,796.4	8,000.0	6,978.9	6,354.8	7,565.2	7,105.6	7,819.7	7,416.2	7,682.0	8,037.1
OTHER STATES	.....	.....	.....	.....	.....	.....	13.3	13.9	25.4	28.7
T. U.S. PROC.	11,323.5	12,576.0	10,806.6	10,416.5	11,179.6	10,270.1	12,013.0	11,791.9	11,616.6	12,214.5

*Up thru 1981 includes lima beans, snap beans, beets, cabbage/kraut, sweet corn, cucumbers for pickles, green peas, spinach, tomatoes. Beginning in 1982 includes snap beans, corn, green peas, and tomatoes, with cucumbers added back in 1984. (a) Included in "OTHER STATES".

PRINCIPAL VEGETABLE CROPS FOR PROCESSING-Cont.
*STATE SUMMARIES—TOTAL VALUE—1,000 DOLLARS

State	1978	1979	1980	1981	*1982	*1983	*1984	*1985	*1986	*1987
Maine	1,587	2,069	1,617	2,179	2,146	2,112	1,853	5,130	(a)	(a)
New Hamp.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Vermont	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mass.	1,394	1,342	874	1,121	.....	.....	1,092	956	1,054	750
Conn.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New York	30,472	32,786	33,665	36,602	33,220	30,309	31,338	35,279	24,450	29,291
New Jersey	11,600	11,541	10,191	15,239	14,330	7,990	13,626	15,204	8,491	8,929
Penna.	7,890	7,574	5,748	10,523	11,591	9,557	9,544	9,462	6,411	6,261
N. ATLANT.	52,943	55,312	52,095	65,664	61,287	49,968	57,453	66,031	40,406	45,231
Ohio	37,194	36,954	29,481	34,888	32,841	34,451	42,788	43,279	39,665	34,779
Indiana	17,754	14,306	10,368	9,257	13,471	12,868	17,862	14,675	13,655	17,611
Illinois	29,591	33,795	26,678	32,360	25,535	21,045	27,777	27,076	16,861	18,987
Michigan	27,176	29,311	25,530	30,624	25,333	22,051	39,192	43,547	37,722	38,359
Wisconsin	81,013	105,105	97,434	108,331	83,891	85,230	107,098	122,258	105,624	116,578
Minnesota	50,432	54,067	49,663	56,267	64,003	46,988	69,188	76,063	64,718	66,750
Iowa	2,396	1,949	1,385	1,481	1,810	1,916	2,470	2,889	2,598	2,913
Missouri	211	138	329	512	280	210	576	633	(a)	(a)
N. Dakota	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
S. Dakota	21	27	30	16	.....	.....	(a)	(a)	(a)	.....
Nebraska	91	105	445	184	.....	.....	(a)	(a)	(a)	(a)
Kansas	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
N. CENT.	245,879	275,757	241,343	273,920	247,164	224,759	306,951	330,420	280,843	295,977
Delaware	11,458	9,349	8,964	10,370	8,258	5,639	9,783	11,369	7,691	7,008
Maryland	13,640	14,117	11,905	15,879	10,404	6,197	14,552	13,591	9,264	8,210
Virginia	6,730	6,175	3,467	3,181	3,366	1,132	1,921	2,685	514	1,173
W. Va.	47	60	11	37	30	28	(a)	(a)	.....	.....
N.C.	10,331	14,014	16,365	17,328	1,995	1,325	15,782	20,571	15,953	16,703
S.C.	4,615	4,246	4,180	5,134	85	19	7,017	9,407	8,822	7,668
Georgia	1,701	1,705	1,537	2,159	473	497	1,647	1,939	1,253	1,374
Florida	10,597	12,155	14,817	8,695	2,220	1,530	8,768	8,310	7,923	8,404
S. ATLANT.	59,119	61,821	61,246	62,783	26,831	16,367	59,470	67,872	51,420	50,540
Kentucky	1,012	732	631	435	.....	.....	(a)	(a)	(a)	(a)
Tenn.	3,755	3,270	3,352	4,818	3,645	1,784	2,313	2,284	1,508	2,106
Alabama	1,645	2,839	653	1,169	447	464	557	698	815	1,103
Miss.	824	717	345	511	.....	.....	(a)	(a)	(a)	(a)
Arkansas	1,798	2,454	1,620	2,752	1,657	1,363	769	1,301	784	1,396
Louisiana	22	35	11	.....	.....	.....	.....	.....	.....	.....
Oklahoma	1,008	653	1,882	2,409	720	397	(a)	(a)	(a)	(a)
Texas	12,806	11,745	12,805	10,651	3,012	2,191	10,225	11,708	10,526	13,364
S. CENT.	22,870	22,445	21,299	22,745	9,481	6,199	13,864	15,991	13,633	17,969
Montana	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Idaho	13,779	14,214	12,959	13,937	15,584	11,463	12,531	12,830	12,933	12,866
Wyoming	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Colorado	3,743	3,322	4,189	3,482	1,208	1,225	3,574	3,765	2,755	2,753
New Mexico	360	210	340	194	184	213	(a)	(a)	(a)	(a)
Arizona	305	216	216	60	.....	.....	(a)	(a)	(a)	(a)
Utah	1,601	2,308	2,245	2,479	2,145	1,493	1,432	1,559	496	1,285
Wash.	47,592	56,966	41,676	43,896	59,824	42,051	47,184	49,949	44,138	52,745
Oregon	51,650	59,409	57,845	58,297	58,862	49,347	62,936	59,593	55,904	55,397
California	374,927	478,259	368,996	357,439	427,168	397,515	447,544	413,540	420,408	400,084
WESTERN	493,957	614,904	488,466	479,784	564,975	503,307	575,201	541,236	536,634	525,130
OTHER STATES	.....	.....	.....	.....	.....	.....	2,103	2,383	4,866	4,846
T. U.S. PROC.	874,768	1,030,239	864,449	904,896	909,738	800,600	1,015,042	1,023,933	927,802	939,693

*Up thru 1981 includes lima beans, snap beans, beets, cabbage/kraut, sweet corn, cucumbers for pickles, green peas, spinach, tomatoes. Beginning in 1982 includes snap beans, corn, green peas and tomatoes with cucumbers added back in 1984. (a) Included in "OTHER STATES".

ASPARAGUS—HARVESTED ACREAGE*—1,000 ACRES (Rounded)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
New Jersey......	1.9	1.6	1.5	1.8	n.a.	n.a.	2.0	1.9	1.9	1.8
Illinois..........	4.2	3.1	2.9	2.7	n.a.	n.a.	1.4	1.3	1.3	.7
Michigan........	19.5	19.5	19.5	19.0	n.a.	n.a.	19.2	19.2	20.5	22.0
California........	28.0	26.4	27.9	27.3	n.a.	n.a.	34.2	35.2	37.8	39.7
Washington......	21.0	21.0	22.2	23.7	n.a.	n.a.	29.0	29.0	30.0	31.0
Other States.....	9.2	9.1	9.0	7.5	n.a.	n.a.	4.1	4.9	4.7	4.6
TOT. U.S.	83.8	80.7	83.0	82.0	n.a.	n.a.	89.9	91.5	96.2	99.8

ASPARAGUS—YIELD PER ACRE*—HUNDREDWEIGHT

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
New Jersey......	14	17	15	19	n.a.	n.a.	15	19	19	18
Illinois..........	9	11	13	10	n.a.	n.a.	10	11	8	14
Michigan........	13	13	12	9	n.a.	n.a.	12	12	12	11
California........	28	35	28	30	n.a.	n.a.	25	28	29	30
Washington......	32	28	23	25	n.a.	n.a.	25	28	26	26
Other States.....	9	9	9	9	n.a.	n.a.	10	12	13	14
U.S. AVG.	22	24	20	21	n.a.	n.a.	21	23	23	24

ASPARAGUS—PRODUCTION**—1,000 TONS (Rounded)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Illinois..........	1.6	1.4	(a)	(a)	n.a.	n.a.	(a)	(a)	(a)	(a)
Michigan........	10.5	10.1	8.2	5.9	n.a.	n.a.	9.6	9.7	9.9	10.1
California........	12.8	22.2	7.5	8.8	n.a.	n.a.	5.8	8.4	5.3	6.8
Washington......	29.4	26.3	23.5	26.2	n.a.	n.a.	25.4	28.5	24.5	28.4
Other States.....	3.8	3.6	5.2	3.8	n.a.	n.a.	1.9	2.6	2.4	2.6
Canning.........	43.2	39.4	34.5	35.0	n.a.	n.a.	33.5	33.8	29.3	33.2
For Freezing.....	14.8	24.1	9.9	9.7	n.a.	n.a.	9.2	15.4	12.8	14.7
PROCESSING ...	58.0	63.5	44.4	44.6	n.a.	n.a.	42.7	49.2	42.1	47.9
FRESH MKT	35.1	32.0	39.2	41.0	n.a.	n.a.	52.2	57.6	69.4	69.4
TOT. U.S.........	93.1	95.5	83.6	85.6	n.a.	n.a.	94.8	106.8	111.4	117.3

ASPARAGUS—VALUE PER TON**—DOLLARS

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Illinois..........	798	912	(a)	(a)	n.a.	n.a.	(a)	(a)	(a)	(a)
Michigan........	1,120	1,137	908	1,165	n.a.	n.a.	1,126	1,118	1,120	1,140
California........	683	838	780	816	n.a.	n.a.	830	777	780	739
Washington......	670	857	767	923	n.a.	n.a.	854	905	861	888
Other States.....	868	929	1,011	1,111	n.a.	n.a.	1,191	1,138	1,139	1,103
For Canning.....	755	893	816	941	n.a.	n.a.	930	951	925	944
For Freezing.....	816	911	852	984	n.a.	n.a.	916	909	933	904
U.S. AVG.	771	900	824	950	n.a.	n.a.	927	938	928	932

ASPARAGUS—TOTAL VALUE**—1,000 DOLLARS

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Illinois..........	1,277	1,231	(a)	(a)	n.a.	n.a.	(a)	(a)	(a)	(a)
Michigan........	11,760	11,461	7,464	6,874	n.a.	n.a.	10,810	10,867	11,066	11,514
California........	8,708	18,604	5,850	7,140	n.a.	n.a.	4,814	6,527	4,134	5,010
Washington......	19,698	22,539	18,032	24,183	n.a.	n.a.	21,700	25,793	21,095	25,255
Other States.....	3,254	3,317	5,237	4,211	n.a.	n.a.	2,239	2,946	2,733	2,823
For Canning.....	32,650	35,217	28,170	32,877	n.a.	n.a.	31,120	32,156	27,133	31,284
For Freezing.....	12,047	21,935	8,413	9,531	n.a.	n.a.	8,443	13,977	11,895	13,318
PROCESSING ...	44,697	57,152	36,583	42,408	n.a.	n.a.	39,563	46,133	39,028	44,602

*For both fresh market and processing. **For processing only. (a) Included in "Other States".

n.a. - Not available.

BROCCOLI—HARVESTED ACREAGE*

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
January-June										
Arizona....	400	800	400	420	550	(a)	(a)	(a)	(a)	(a)
California.......	30,900	35,500	37,100	35,400	41,800	(a)	(a)	(a)	(a)	(a)
Texas	1,700	450	1,700	3,300	3,200	(a)	(a)	(a)	(a)	(a)
Season Total....	33,000	36,750	39,200	39,120	45,550	(a)	(a)	(a)	(a)	(a)
July-December (thru 1982)										
Arizona†	400	250	350	300	250	700	1,300	1,900	2,900	4,200
California........	33,500	32,500	35,500	36,000	40,000	82,000	95,700	97,700	106,400	107,600
Oregon..........	900	900	1,000	1,100	1,800	2,000	2,000	2,600	3,000	3,000
Texas†	500	500	1,800	2,000	4,400	6,800	7,500	7,300	6,800	5,400
Season Total.....	35,300	34,150	38,650	39,400	46,450	n.a.	n.a.	n.a.	n.a.	n.a.
TOT. U.S.........	68,300	70,900	77,850	78,520	92,000	91,500	106,500	109,500	119,100	120,200

BROCCOLI—YIELD PER ACRE*—HUNDREDWEIGHT

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
January-June										
Arizona.........	53	60	62	69	75	(a)	(a)	(a)	(a)	(a)
California.......	79	89	89	100	100	(a)	(a)	(a)	(a)	(a)
Texas	64	47	55	86	88	(a)	(a)	(a)	(a)	(a)
Season Avg. ...	78	88	87	98	99	(a)	(a)	(a)	(a)	(a)
July-December (thru 1982)										
Arizona†	54	76	59	80	60	77	76	93	82	91
California........	81	90	88	93	94	92	99	98	98	96
Oregon..........	84	100	99	99	110	85	88	95	100	105
Texas †	26	55	50	94	78	81	76	86	83	75
Season Avg.	80	90	87	93	93	n.a.	n.a.	n.a.	n.a.	n.a.
U.S. AVG.	79	89	87	96	96	91	97	97	97	95

BROCCOLI—PRODUCTION**—1,000 TONS (Rounded)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
California........	131.4	148.0	142.9	144.6	159.6	126.3	164.7	158.0	138.0	125.0
Other States†....	6.3	4.3	5.1	5.6	10.6	10.9	12.4	15.7	16.4	16.0
PROCESSING ...	137.6	152.3	147.9	150.2	170.2	137.2	177.1	173.7	154.4	141.0
FRESH MKT.....	132.4	162.8	189.8	225.9	270.7	279.1	337.0	357.7	422.1	430.6
TOT. U.S.........	270.0	315.1	337.7	376.1	441.0	416.3	514.1	531.4	576.5	571.6

BROCCOLI—VALUE PER TON**—DOLLARS

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
California........	296.00	320.00	376.00	378.00	394.00	390.00	394.00	388.00	362.00	360.00
Other States†....	225.00	295.00	312.00	324.00	336.00	327.00	325.00	319.00	313.00	326.00
U.S. PROC. AV....	293.00	319.00	374.00	376.00	390.00	385.00	389.00	382.00	357.00	356.00

BROCCOLI—TOTAL VALUE**—1,000 DOLLARS

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
California........	38,880	47,360	53,712	54,659	62,882	49,257	64,892	61,304	49,956	45,000
Other States†....	1,409	1,267	1,574	1,828	3,567	3,567	4,024	4,988	5,118	5,227
U.S. PROC.	40,289	48,627	55,286	56,487	66,449	52,824	68,916	66,292	55,074	50,227

*For fresh market and processing. **For processing only. (a) Included in "July-December".
† Data prior to 1984 not comparable to later years because of change from calendar to seasonal forecasts.

CARROTS—HARVESTED ACREAGE*—1,000 ACRES (Rounded)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Winter	*17.8*	*(a)*	*(a)*	*(a)*	*(a)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*
Arizona	.7	(a)	(a)	(a)	(a)	(b)	(b)	(b)	(b)	(b)
Calif. Des.	3.8	(a)	(a)	(a)	(a)	(b)	(b)	(b)	(b)	(b)
Calif. Other	4.1	(a)	(a)	(a)	(a)	(b)	(b)	(b)	(b)	(b)
Texas	9.2	(a)	(a)	(a)	(a)	(b)	(b)	(b)	(b)	(b)
Spring	*18.0*	*34.1*	*32.6*	*32.3*	*34.6*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*
Arizona	1.3	1.9	1.8	1.6	2.6	(b)	(b)	(b)	(b)	(b)
Calif. Des.	7.3	10.2	11.1	8.6	8.9	(b)	(b)	(b)	(b)	(b)
Calif. Other	4.7	10.3	10.6	10.4	11.5	(b)	(b)	(b)	(b)	(b)
Texas	4.7	11.7	9.1	11.7	11.6	(b)	(b)	(b)	(b)	(b)
Summer	*14.7*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*
Calif. Other	7.4	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Colorado	1.0	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Illinois	.4	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Michigan	3.2	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Texas	.5	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Washington	1.0	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Wisconsin	1.2	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Fall (thru 1982)	*26.3*	*44.1*	*39.9*	*41.6*	*44.8*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*
Arizona † †	....	....	....	....	....	3.1	2.9	2.4	2.4	2.0
Calif. Des. † †	.8	1.0	.6	.5	.6	11.9	11.0	11.8	11.1	14.0
Calif. Other	7.3	15.5	14.3	14.4	14.9	27.5	30.1	28.1	28.9	29.0
Colorado	....	1.0	1.1	1.1	1.0	1.1	1.0	1.0	1.2	1.3
Florida	....	....	....	....	....	10.0	10.6	11.5	12.3	12.1
Illinois	....	.3	.3	....	....	....	....	....	....	....
Michigan	2.9	6.6	5.6	5.6	6.7	7.2	7.5	6.4	3.7	7.0
Minnesota †	1.9	1.7	1.3	1.3	1.5	1.3	1.3	1.2	1.2	1.5
New York	1.2	1.1	1.0	1.1	1.6	1.6	1.6	1.4	1.4	1.2
Oregon	1.3	1.4	1.5	2.0	2.3	1.3	1.2	1.1	1.0	.8
Texas † †	3.4	4.4	4.5	4.8	5.5	13.1	15.0	13.8	11.6	11.5
Washington	3.5	5.0	4.2	4.4	4.8	4.0	4.3	5.2	5.8	6.6
Wisconsin †	2.5	4.5	3.8	4.5	4.0	3.2	5.2	3.3	3.5	3.5
Other States	1.5	1.6	1.8	1.9	1.9	2.1	1.9	2.9	2.0	2.6
TOT. U.S.	76.8	78.2	72.5	73.9	79.4	87.4	93.6	90.1	86.1	93.1

CARROTS—YIELD PER ACRE*—HUNDREDWEIGHT

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Winter	*228*	*(a)*	*(a)*	*(a)*	*(a)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*
Arizona	150	(a)	(a)	(a)	(a)	(b)	(b)	(b)	(b)	(b)
Calif. Des.	250	(a)	(a)	(a)	(a)	(b)	(b)	(b)	(b)	(b)
Calif. Other	295	(a)	(a)	(a)	(a)	(b)	(b)	(b)	(b)	(b)
Texas	195	(a)	(a)	(a)	(a)	(b)	(b)	(b)	(b)	(b)
Spring	*211*	*213*	*228*	*234*	*258*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*
Arizona	115	120	140	135	170	(b)	(b)	(b)	(b)	(b)
Calif. Des.	200	231	224	280	320	(b)	(b)	(b)	(b)	(b)
Calif. Other	330	307	314	300	335	(b)	(b)	(b)	(b)	(b)
Texas	130	129	151	155	155	(b)	(b)	(b)	(b)	(b)
Summer	*265*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*
Calif. Other	230	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Colorado	250	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Illinois	295	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Michigan	255	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Texas	180	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Washington	420	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Wisconsin	420	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Fall	*309*	*312*	*303*	*311*	*324*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*
Arizona † †	....	....	....	....	....	175	130	165	165	200
Calif. Des. † †	215	210	190	205	210	250	280	250	260	215
Calif. Other	270	294	311	285	310	310	295	285	335	330
Colorado	....	245	240	350	350	225	280	350	340	345
Florida	....	....	....	....	....	110	69	92	69	88
Illinois	....	310	255	....	....	....	....	....	....	....
Michigan	275	260	239	235	255	230	270	260	250	275
Minnesota †	365	380	380	320	370	340	330	380	400	360
New York	300	290	365	355	330	325	355	385	400	360
Oregon	345	440	465	445	435	415	430	480	460	475
Texas † †	180	152	151	195	165	210	145	145	175	190
Washington	400	447	467	400	435	400	425	435	415	460
Wisconsin †	410	417	296	420	450	465	365	470	435	500
Other States	413	404	349	394	543	362	462	397	414	304
U.S. AVG.	258	269	270	277	295	265	253	254	272	274

*For both fresh market & processing. † Excludes the following quantities not harvested or not marketed because of economic conditions - 1978 Fall, Minn. 28,000 cwt, Wis. 9,000 cwt. (a) Included with "Spring". (b) Included with "Fall". † † Data prior to 1984 not comparable to later years because of change from calendar to seasonal forecasts.

CARROTS—PRODUCTION**—1,000 TONS (Rounded)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Michigan	26.3	29.2	23.0	24.3	30.9	26.1	30.0	27.7	21.6	38.8
Minnesota	22.2	17.7	12.3	10.8	13.7	13.7	13.9	15.0	15.9	14.8
New York	13.7	12.1	10.3	11.3	15.3	15.3	19.5	12.5	14.0	14.2
Wisconsin	68.8	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
NORTHERN	130.9	58.9	45.6	46.4	59.9	55.2	63.4	55.2	51.5	67.7
California†	113.3	156.2	120.6	75.0	83.0	120.4	105.5	75.4	89.9	58.0
Oregon	19.5	27.6	27.1	36.8	41.0	21.6	21.5	21.6	15.5	12.8
Texas†	44.7	19.1	18.8	23.2	28.8	33.6	24.8	9.0	14.0	10.5
Washington	80.8	90.0	67.1	63.0	87.3	60.6	68.8	90.4	96.3	116.7
WESTERN	258.3	292.8	233.5	198.0	240.0	236.2	220.6	196.4	215.7	197.9
OTHER STATES	33.4	117.2	80.1	121.6	119.9	103.8	128.9	126.9	106.8	116.4
PROCESSING	422.5	469.0	359.2	366.0	419.8	395.2	412.9	378.6	374.0	382.0
FRESH MKT.	568.7	581.8	617.8	657.3	751.2	761.7	773.8	767.4	797.7	895.0
TOT. U.S.	991.2	1,050.7	976.9	1,023.3	1,171.0	1,156.9	1,186.7	1,145.9	1,171.7	1,277.0

CARROTS—VALUE PER TON**—DOLLARS

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Michigan	49.10	44.50	58.00	49.50	52.50	48.40	51.70	57.60	57.30	56.80
Minnesota	33.50	44.00	54.30	47.80	55.00	61.90	48.10	55.50	66.30	50.20
New York	46.50	50.00	59.30	62.90	62.10	68.10	64.50	63.70	65.00	59.80
Wisconsin	57.80	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
California†	55.00	49.60	55.60	58.60	64.60	69.40	74.90	81.80	81.00	89.10
Oregon	33.60	39.40	44.30	44.50	41.80	43.40	43.40	42.00	46.90	49.90
Texas†	33.70	36.40	42.00	42.60	22.00	22.00	22.00	24.00	22.00	22.00
Washington	31.70	29.30	34.40	39.40	36.20	40.10	50.40	53.40	42.00	39.90
Other States	51.90	60.10	68.00	68.00	67.50	68.20	71.50	69.20	69.10	65.00
U.S. PROC. AV.	45.70	46.70	53.00	55.20	53.10	57.40	61.90	63.70	61.30	57.70

CARROTS—TOTAL VALUE**—1,000 DOLLARS

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Michigan	1,291	1,299	1,333	1,203	1,620	1,265	1,551	1,596	1,235	2,202
Minnesota	744	777	668	516	753	850	670	834	1,056	740
New York	635	604	611	711	953	1,043	1,258	796	910	849
Wisconsin	3,975	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
NORTHERN	6,645	2,680	2,612	2,430	3,326	3,158	3,479	3,226	3,201	3,791
California†	6,232	7,745	6,705	4,395	5,359	8,356	7,902	6,168	7,282	5,169
Oregon	655	1,086	1,198	1,639	1,712	937	933	909	726	636
Texas†	1,506	695	789	986	634	726	546	216	308	231
Washington	2,560	2,637	2,308	2,481	3,161	2,430	3,466	4,827	4,045	4,655
WESTERN	10,953	12,163	11,000	9,501	10,866	12,449	12,847	12,120	12,361	10,691
OTHER STATES	1,730	7,041	5,440	8,272	8,088	7,080	9,221	8,786	7,381	7,565
U.S. PROC.	19,328	21,884	19,052	20,203	22,280	22,687	25,547	24,132	22,943	22,047

**For Processing Only. (a) Included in "OTHER STATES". † Data prior to 1984 not comparable with later years due to change from calendar to seasonal forecasts.

CAULIFLOWER—HARVESTED ACREAGE*—1,000 ACRES (Rounded)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Winter (c)	*5.8*	*15.0*	*14.1*	*14.9*	*16.3*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*
Arizona	1.0	1.8	1.6	1.7	1.5	(b)	(b)	(b)	(b)	(b)
California	4.3	12.8	11.8	12.8	14.1	(b)	(b)	(b)	(b)	(b)
Texas	.5	.4	.7	.4	.7	(b)	(b)	(b)	(b)	(b)
Spring (c)	*5.2*	*(c)*	*(c)*	*(c)*	*(c)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*
California	5.2	(c)	(c)	(c)	(c)	(b)	(b)	(b)	(b)	(b)
Summer (b)	*10.9*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*
California	9.9	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Michigan	.....	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
New York	1.0	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Washington	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fall (b)	*19.6*	*27.8*	*29.2*	*31.3*	*35.1*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*
Arizona (d)	.3	.4	.6	.5	.7	2.9	4.0	4.9	6.1	6.4
California	14.0	20.9	22.1	23.5	25.9	41.9	46.2	45.6	53.0	51.1
Michigan	1.1	1.1	1.0	1.2	1.5	1.4	1.5	1.5	.7	1.2
New York-LI	1.6	1.5	1.5	1.9	1.9	1.8	2.0	2.0	1.6	1.6
N.Y.-Upstate		1.5	1.7	1.7	1.8	1.7	1.9	1.9	1.5	1.5
Oregon	2.1	2.1	2.0	2.0	2.9	3.1	3.4	3.8	3.9	3.6
Texas	.5	.3	.3	.5	.4	1.8	1.8	1.5	1.0	.7
TOT. U.S.	41.5	42.8	43.3	46.2	51.4	54.6	60.8	61.2	67.8	66.1

CAULIFLOWER—YIELD PER ACRE*—HUNDREDWEIGHT

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Winter (c)	*71*	*88*	*95*	*115*	*96*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*
Arizona	68	89	110	120	135	(b)	(b)	(b)	(b)	(b)
California	70	90	94	115	93	(b)	(b)	(b)	(b)	(b)
Texas	80	18	78	76	77	(b)	(b)	(b)	(b)	(b)
Spring (c)	*81*	*(c)*	*(c)*	*(c)*	*(c)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*
California	81	(c)	(c)	(c)	(c)	(b)	(b)	(b)	(b)	(b)
Summer (b)	*105*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*	*(b)*
California	110	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Michigan	.....	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
New York	65	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Washington	.....	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Fall (b)	*93*	*101*	*100*	*113*	*108*	*n.a.*	*n.a.*	*n.a.*	*n.a.*	*n.a.*
Arizona (d)	55	83	105	160	115	120	115	115	115	125
California	90	97	93	105	99	95	105	105	110	110
Michigan	50	70	50	62	58	55	65	65	55	60
New York-LI	100	90	104	135	125	120	130	110	120	100
N.Y.-Upstate		102	100	120	120	105	110	120	110	105
Oregon	155	170	195	195	200	150	195	170	130	140
Texas	18	40	85	80	90	91	82	80	92	85
U.S. AVG.	92	96	98	113	104	99	110	109	111	112

CAULIFLOWER—PRODUCTION**—1,000 TONS (Rounded)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
California	85.0	59.8	55.0	69.6	71.0	60.9	59.1	55.0	58.0	48.0
Michigan	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
New York	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Other States	14.6	14.7	17.7	17.0	26.5	24.6	34.5	32.9	23.1	24.3
PROCESSING	99.6	74.5	72.7	86.6	97.5	85.5	93.6	87.9	81.1	72.3
FRESH MKT.	90.9	131.4	140.1	174.5	171.0	185.2	240.9	245.2	295.3	296.4
TOT. U.S.	190.4	205.9	212.8	261.1	268.5	270.7	334.5	333.1	376.4	368.7

CAULIFLOWER—VALUE PER TON**—DOLLARS

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
California	220.00	214.00	248.00	254.00	275.00	270.00	292.00	294.00	295.00	308.00
Michigan	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
New York	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Other States	170.00	148.00	174.00	193.00	192.00	207.00	222.00	213.00	205.00	207.00
U.S. PROC. AV.	213.00	201.00	230.00	242.00	252.00	252.00	266.00	264.00	270.00	274.00

*For fresh market and processing. **For processing only. (a) Included in Other States. (b) Combined with Fall. (c) Combined with Winter. (d) Data prior to 1984 not comparable with later years due to change from calendar to seasonal forecasting.

VEGETABLE CROPS FOR PROCESSING & FRESH MARKET—Cont.

CAULIFLOWER—TOTAL VALUE**—1,000 DOLLARS

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
California	18,689	12,797	13,640	17,678	19,525	16,443	17,243	16,170	17,110	14,784
Michigan	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
New York	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Other States	2,482	2,187	3,079	3,271	5,091	5,082	7,657	7,008	4,733	5,043
TOT U.S. PROC .	21,171	14,984	16,719	20,949	24,616	21,525	24,900	23,178	21,843	19,827

**For processing only. (a) Included in Other States.

*SWEET POTATOES—HARVESTED ACREAGE—1,000 ACRES

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Maryland	1.4	1.4	1.3	1.3	1.3	1.1	1.1	1.1	.9	.8
New Jersey	2.6	2.7	2.4	2.5	2.9	2.4	2.4	2.7	2.0	2.0
Virginia	4.2	3.9	2.1	2.3	2.2	1.2	.6	1.1	.9	.9
MID ATL	8.2	8.0	5.8	6.1	6.4	4.7	4.1	4.9	3.8	3.7
N. Carolina	37.0	40.0	37.0	39.0	44.0	37.0	38.0	40.0	34.0	35.0
S. Carolina	2.8	3.1	2.5	3.5	5.3	4.0	5.0	5.0	4.0	4.5
Georgia	5.5	5.5	4.5	5.6	6.3	5.8	6.4	6.3	5.8	5.2
LOWER ATL	45.3	48.6	44.0	48.1	55.6	46.8	49.4	51.3	43.8	44.7
Alabama	5.5	5.7	5.3	5.4	5.5	4.9	5.9	6.4	6.3	6.7
Arkansas	.8	.7	.6	.....	.....	.....	.....	.....	.....	.....
Louisiana	28.0	27.0	25.0	26.0	25.0	24.0	23.0	21.0	20.0	19.0
Mississippi	4.7	4.7	4.6	5.2	5.0	4.7	4.8	5.5	5.2	4.5
Tennessee	1.5	2.0	2.0	1.8	1.5	1.4	1.0	1.1	.9	.8
Texas	9.5	7.9	6.5	7.8	7.2	7.1	7.3	7.7	6.6	7.3
S. CENTRAL	50.0	48.0	44.0	46.2	44.2	42.1	42.0	41.7	39.0	38.3
California	8.7	9.6	8.4	8.9	9.2	8.8	8.0	7.4	6.8	6.6
U.S.†	112.2	114.2	102.2	109.3	115.4	102.4	103.5	105.3	93.4	93.3

*All uses.

*SWEET POTATOES—YIELD PER ACRE—CWT

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Maryland	160	155	150	175	195	165	160	165	130	140
New Jersey	110	115	115	110	110	90	110	125	110	115
Virginia	130	130	115	150	150	115	140	130	110	114
N. Carolina	130	120	115	120	135	120	135	150	150	130
S. Carolina	120	110	95	95	125	115	100	125	105	90
Georgia	110	115	100	115	130	125	140	160	130	150
Alabama	100	110	100	115	120	105	115	120	110	120
Arkansas	80	75	60	.....	.....	.....	.....	.....	.....	.....
Louisiana	95	95	85	100	100	95	105	120	125	125
Mississippi	95	95	90	95	100	95	105	120	100	120
Tennessee	100	105	80	80	85	80	95	150	110	110
Texas	110	130	80	95	135	120	110	130	120	100
California	160	170	180	185	190	195	180	195	200	210
U.S. AVG.	117	117	107	117	129	118	125	141	136	130

*All uses.

SWEET POTATOES—PRODUCTION—1,000 CWT

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Maryland	224	217	195	228	254	182	176	182	117	112
New Jersey	286	311	276	275	319	216	264	338	220	230
Virginia	546	507	242	345	330	138	84	143	99	103
MID ATL	1,056	1,035	713	848	903	536	524	663	436	445
N. Carolina	4,810	4,800	4,255	4,680	5,940	4,440	5,130	6,000	5,100	4,550
S. Carolina	336	341	238	333	663	460	500	625	420	405
Georgia	605	633	450	644	819	725	896	1,008	754	780
LOWER ATL	5,751	5,774	4,943	5,657	7,422	5,625	6,526	7,633	6,274	5,735
Alabama	550	627	530	621	660	515	679	768	693	804
Arkansas	64	53	36	.....	.....	.....	.....	.....	.....	.....
Louisiana	2,660	2,565	2,125	2,600	2,500	2,280	2,415	2,520	2,500	2,375
Mississippi	447	447	414	494	500	447	504	660	520	540
Tennessee	150	210	160	144	128	112	95	165	99	88
Texas	1,045	1,027	520	741	972	852	803	1,001	792	730
S. CENTRAL	4,916	4,929	3,785	4,600	4,760	4,206	4,496	5,114	4,604	4,537
California	1,392	1,632	1,512	1,647	1,748	1,716	1,440	1,443	1,360	1,386
U.S.†	13,115	13,370	10,953	12,752	14,833	12,083	12,986	14,853	12,674	12,103

MUSHROOMS—PRODUCTION, SALES, USE, VALUE

Source: Statistical Reporting Service U.S.D.A

Crop year beginning July 1 of year shown

	1978	1979	1980	1981	1982	1983	1984	1985	1986	*1987
Production Area—1,000 sq. ft.										
California	(a)	(a)	23,976	23,846	23,777	25,301	25,169	22,574	21,575	21,691
Pennsylvania	72,705	72,984	72,033	75,360	68,620	74,289	68,524	60,210	61,759	64,651
Other States	74,033	77,774	44,337	42,120	42,998	43,220	45,440	46,781	46,162	48,423
Total U.S.	146,738	150,758	140,346	141,326	135,395	142,810	139,133	129,565	129,496	134,765
Production—1,000 lbs.										
California	(a)	(a)	83,433	87,543	89,414	108,475	113,600	106,910	111,991	n.a.
Pennsylvania	213,790	213,709	237,463	273,048	246,582	279,654	275,196	256,160	281,376	n.a.
Other States	240,217	256,360	148,680	156,555	154,830	173,402	206,885	224,886	222,020	n.a.
Total U.S.	454,007	470,069	469,576	517,146	490,826	561,531	595,681	587,956	615,387	n.a.
Price Per Pound—Cents										
California	(a)	(a)	96.6	102.0	111.0	98.6	100.0	97.7	116.0	n.a.
Pennsylvania	71.5	66.3	67.4	65.8	70.0	73.4	67.5	66.6	69.1	n.a.
Other States	87.0	88.6	90.0	96.0	102.9	100.4	93.6	96.9	96.9	n.a.
Value of Production—$1,000										
California	(a)	(a)	80,600	88,907	99,415	106,967	114,143	104,444	129,710	n.a.
Pennsylvania	152,893	141,601	160,019	179,557	172,607	205,196	185,801	170,705	194,465	n.a.
Other States	208,907	226,996	133,880	150,242	159,399	174,225	193,704	217,944	215,129	n.a.
Total U.S.	361,800	368,597	374,499	418,706	431,421	486,388	493,648	493,093	539,304	n.a.
Sales to Processors—1,000 lbs.										
Pennsylvania	152,568	143,660	149,602	152,907	117,251	124,979	115,529	99,981	98,222	n.a.
[1]Other East	71,901	70,563	13,864	9,898	10,503	11,240	15,787	16,938	14,623	n.a.
[2]Central			24,316	26,223	16,945	18,444	23,755	26,740	27,780	n.a.
[3]West			6,742	8,986	8,893	18,793	20,697	17,093	16,469	n.a.
Total	224,469	214,223	194,524	198,014	153,592	173,456	175,768	160,752	157,094	n.a.
Price Per lb. to Proc.—Cents										
Pennsylvania	64.5	57.3	58.1	55.2	59.3	62.7	55.1	52.8	52.7	n.a.
[1]Other East	63.6	58.3	55.1	48.1	55.0	61.7	47.9	49.0	49.7	n.a.
[2]Central			61.4	59.7	72.3	73.4	65.7	61.9	69.3	n.a.
[3]West			68.0	56.7	65.5	70.4	67.9	61.7	62.7	n.a.
U.S.	64.2	57.6	58.6	55.5	60.8	64.6	57.4	54.9	56.4	n.a.
Value of Proc. Sales—$1,000										
Pennsylvania	98,335	82,249	86,919	84,405	69,530	78,362	63,656	52,790	51,763	n.a.
[1]Other East	45,695	41,147	7,635	4,761	5,773	6,931	7,559	8,296	7,272	n.a.
[2]Central			14,923	15,643	12,244	13,544	15,612	16,540	19,260	n.a.
[3]West			4,583	5,092	5,826	13,224	14,059	10,553	10,326	n.a.
Total	144,030	123,396	114,060	109,901	93,373	112,061	100,886	88,179	88,621	n.a.
Sales to Fresh Market—1,000 lbs.										
Pennsylvania	61,222	70,049	87,861	120,141	129,331	154,675	159,667	156,179	183,154	n.a.
[1]Other East	168,316	185,797	42,016	47,763	44,515	51,530	63,198	65,606	64,857	n.a.
[2]Central			34,639	34,367	40,857	44,839	44,046	48,988	46,412	n.a.
[3]West			110,536	116,861	122,531	137,031	153,002	156,431	163,870	n.a.
Total	229,538	255,846	275,052	319,132	337,234	388,075	419,913	427,204	458,293	n.a.

See footnotes on next page.

MUSHROOMS—PRODUCTION, SALES, USE, VALUE—Continued

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Price Per Lb. to Fresh Market—Cents										
Pennsylvania	89.1	84.7	83.2	79.2	79.7	82.0	76.5	75.5	77.9	n.a.
[1]Other East			101.0	100.0	112.0	106.0	94.1	108.0	103.0	n.a.
[2]Central	97.0	100.1	95.3	97.3	103.0	103.0	103.0	107.0	109.0	n.a.
[3]West			101.0	113.0	117.0	107.0	108.0	105.0	116.0	n.a.
U.S.	94.9	95.8	94.7	96.8	100.0	96.5	93.5	94.8	98.3	n.a.
Value of Fresh Market Sales—$1,000										
Pennsylvania	54,558	59,352	73,100	95,152	103,077	126,834	122,145	117,915	142,702	n.a.
[1]Other East			42,336	47,922	49,669	54,456	59,460	70,943	66,737	n.a.
[2]Central	163,212	185,849	33,003	33,445	41,951	46,108	45,551	52,333	50,650	n.a.
[3]West			112,000	132,286	143,351	146,929	165,606	163,723	190,594	n.a.
Total	217,770	245,201	260,439	308,805	338,048	374,327	392,762	404,914	450,683	n.a.

(a) Included in Other States. n.a.-Not yet available. *Filling intentions - represents area intended for use during 1987-88 season. [1] Federal Regions I-IV including Conn., Del., Fla., Ga., Ky. (except 1982 & 1983), Pa., Md., Mass., N.Y., N.J., N.C. (beginning 1986), S.C. (beginning 1986), Tenn., Va. and W. Va. (beginning 1982). [2] Federal Regions V and VII including Ill., Ind., Iowa, Mich., Minn. (except 1982), Mo., Ohio, Wis. [3] Federal Regions VI, VIII, IX, and X including Ark., Calif., Colo., Idaho (beginning 1986), Ore., Tex., Utah, Wash., La., Okla., Hawaii, S.D., and Wyo. (beginning 1986).

FRUIT CROPS—UTILIZATION, PRICE, VALUE

Source: Crop Reporting Board, Statistical Reporting Service, U.S.D.A.

APPLES—UTILIZED PRODUCTION, PRICE, VALUE

State	Utilized production			Price per pound			Value of utilized prod.		
	1985	1986	1987	1985	1986	1987	1985	1986	1987
	Million pounds			Cents			1,000 Dollars		
Arkansas	15.0	9.5	4.0	11.6	13.3	11.9	1,745	1,263	476
California	620.0	515.0	650.0	9.4	16.3	10.7	58,540	83,903	69,550
Colorado	110.0	17.6	107.0	9.5	9.7	10.2	10,504	1,706	10,914
Connecticut	40.0	46.0	43.0	16.6	19.3	21.7	6,623	8,869	9,331
Delaware	19.0	27.0	30.0	8.7	9.1	8.1	1,656	2,456	2,430
Georgia	19.0	29.0	38.0	11.2	16.0	12.7	2,131	4,646	4,826
Idaho	131.0	94.0	138.0	19.6	22.2	19.2	25,668	20,900	26,496
Illinois	102.0	90.0	96.0	12.2	16.0	11.6	12,472	14,360	11,136
Indiana	75.0	37.0	78.0	13.1	18.6	17.6	9,832	6,864	13,728
Iowa	12.0	5.4	8.3	15.4	26.8	22.1	1,842	1,449	1,834
Kansas	12.8	2.9	10.0	11.6	23.9	14.2	1,488	693	1,420
Kentucky	15.0	3.9	16.5	14.1	20.8	15.3	2,118	810	2,525
Maine	82.0	86.0	74.0	16.3	19.2	20.0	13,395	16,505	14,800
Maryland	76.0	85.0	38.0	10.2	11.3	10.3	7,764	9,641	3,914
Massachusetts	85.0	92.0	94.0	18.3	19.6	21.9	15,594	18,048	20,586
Michigan	1,070.0	700.0	1,050.0	7.5	9.3	8.6	79,800	65,075	90,300
Minnesota	21.0	18.0	23.0	22.0	30.5	21.6	4,612	5,484	4,968
Missouri	62.0	37.0	50.0	16.2	21.2	13.0	10,069	7,837	6,500
New Hampshire	55.0	50.0	50.0	18.6	20.0	20.0	10,230	9,982	10,000
New Jersey	103.0	100.0	82.0	11.8	12.4	13.8	12,128	12,416	11,316
New Mexico	10.0	6.0	12.6	12.8	19.0	15.5	1,280	1,140	1,953
New York	1,079.0	900.0	970.0	7.0	10.1	7.6	75,085	91,260	73,720
North Carolina	275.0	120.0	350.0	7.4	8.5	7.9	20,235	10,160	27,650
Ohio	145.0	90.0	150.0	14.4	17.4	15.8	20,810	15,660	23,700
Oregon	160.0	105.0	170.0	12.6	10.6	8.7	20,200	11,081	14,790
Pennsylvania	585.0	620.0	460.0	9.4	8.3	8.4	54,810	51,252	38,640
Rhode Island	4.0	5.5	5.0	21.8	22.3	23.9	872	1,224	1,195
South Carolina	15.0	30.0	39.0	11.0	13.5	8.8	1,645	4,037	3,432
Tennessee	10.0	8.5	14.0	13.6	18.5	14.1	1,358	1,572	1,974
Utah	55.0	34.0	60.0	12.1	13.8	11.7	6,650	4,690	7,020
Vermont	47.0	48.0	41.0	16.5	17.7	18.2	7,742	8,480	7,462
Virginia	388.0	450.0	430.0	9.8	9.7	11.0	38,216	43,456	47,300
Washington	2,050.0	3,160.0	4,000.0	17.0	15.5	8.0	348,740	488,400	320,000
West Virginia	230.0	230.0	185.0	9.8	10.6	12.0	22,532	24,410	22,200
Wisconsin	58.0	55.0	62.0	14.0	17.1	17.7	8,147	9,390	10,974
United States	7,835.8	7,907.3	9,628.4	11.7	13.4	9.5	916,533	1,059,119	919,060

APPLES—UTILIZATION, PRICE—SELECTED STATES

	UTILIZATION (million pounds)				PRICE (dollars per ton)			
	1983	1984	1985	1986	1983	1984	1985	1986
California								
Canned	80.0	80.0	100.0	49.0	157.00	148.00	135.00	142.00
Juice/cider	212.0	220.0	280.0	216.0	120.00	109.00	76.00	105.00
Frozen	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried	17.0	35.0	80.0	33.0	156.00	133.00	128.00	140.00
Other	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total Proc.	309.0	335.0	460.0	298.0	132.00	121.00	98.00	115.00
Fresh	151.0	185.0	160.0	217.0	448.00	514.00	450.00	614.00
Michigan								
Canned	115.0	138.0	185.0	140.0	124.00	138.00	129.00	138.00
Juice/cider	278.0	253.0	340.0	210.0	94.00	92.00	72.00	104.00
Frozen	82.0	85.0	108.0	110.0	180.00	166.00	142.00	168.00
Dried	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Other	5.0	4.0	2.0	15.0	102.00	110.00	94.00	110.00
Total Proc.	480.0	480.0	635.0	475.0	116.00	118.00	101.00	129.00
Fresh	270.0	290.0	435.0	225.0	220.00	232.00	218.00	304.00
New York								
Canned	250.0	213.0	280.0	275.0	116.00	132.00	110.00	130.00
Juice/cider	343.0	310.0	359.0	230.0	84.00	84.00	66.00	102.00
Frozen	34.0	56.0	26.0	n.a.	138.00	126.00	126.00	126.00
Dried	21.0	26.0	16.0	n.a.	130.00	124.00	114.00	126.00
Other	17.0	14.0	19.0	n.a.	147.00	146.00	128.00	134.00
Total Proc.	665.0	619.0	700.0	540.0	102.00	107.00	89.00	118.00
Fresh	435.0	401.0	379.0	360.0	338.00	402.00	230.00	330.00
Pennsylvania								
Canned	201.1	228.2	234.1	319.4	119.00	138.00	135.00	124.00
Juice/cider	116.9	132.2	136.1	155.0	84.00	96.00	74.00	90.00
Frozen	1.2	3.9	2.0	4.8	144.00	160.00	152.00	138.00
Dried	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Other	5.8	3.7	2.8	4.8	84.00	96.00	68.00	88.00
Total Proc.	325.0	368.0	375.0	484.0	106.00	122.00	112.00	113.00
Fresh	175.0	207.0	210.0	136.0	288.00	294.00	322.00	348.00
Virginia								
Canned	186.6	163.0	146.5	120.0	106.00	130.00	164.00	138.00
Juice/cider	127.5	94.0	66.5	80.0	78.00	88.00	76.00	100.00
Frozen	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Other	9.5	12.0	10.0	n.a.	92.00	92.00	100.00	112.00
Total Proc.	344.0	292.0	252.0	268.0	98.00	116.00	135.00	126.00
Fresh	111.0	173.0	136.0	182.0	328.00	326.00	310.00	292.00
Washington								
Canned	99.0	92.0	80.0	100.0	112.00	117.00	129.00	126.00
Juice/cider	440.0	432.0	236.0	430.0	85.00	70.00	78.00	77.00
Frozen	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Other	30.0	46.0	16.0	n.a.	130.00	154.00	141.00	137.00
Total Proc.	800.0	778.0	460.0	720.0	94.00	96.00	105.00	95.60
Fresh	2,255.0	2,172.0	1,590.0	2,440.0	276.00	266.00	408.00	372.00
West Virginia								
Canned	103.4	89.4	58.6	75.3	118.00	182.00	140.00	144.00
Juice/cider	40.5	36.7	58.2	32.7	84.00	88.00	74.00	114.00
Frozen	11.7	13.0	13.2	34.2	146.00	150.00	144.00	138.00
Dried	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Other	2.5	1.0	.5	.1	100.00	108.00	92.00	132.00
Total Proc.	158.1	140.1	130.5	142.3	111.00	154.00	111.00	136.00
Fresh	57.9	84.9	99.5	87.7	270.00	306.00	306.00	336.00
United States								
Canned	1,200.8	1,176.7	1,255.4	1,179.0	117.00	137.00	132.00	132.00
Juice/cider	1,983.5	1,886.3	1,842.1	1,647.6	89.00	88.00	75.00	96.60
Frozen	169.6	198.1	194.3	257.3	161.00	151.00	139.00	150.00
Dried	283.3	288.6	242.4	199.4	106.00	123.00	132.00	123.00
Other	95.4	102.3	73.9	90.9	111.00	133.00	117.00	125.00
Total Proc.	3,732.6	3,652.0	3,608.1	3,374.2	103.00	111.00	103.00	116.00
Fresh	4,619.8	4,666.1	4,227.7	4,533.1	298.00	310.00	346.00	382.00

SWEET CHERRIES—UTILIZED* PRODUCTION, PRICE, VALUE

	1979	1980	1981	1982	1983	1984	1985	1986	1987
CALIFORNIA									
Fresh........tons........	18,000	30,400	24,000	9,700	12,900	27,600	19,350	6,600	34,000
Canned........do........	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Brined........do........	15,500	13,600	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total Used......do......	34,300	44,000	32,750	12,300	16,800	37,200	23,500	8,400	45,000
Price Per Ton-Fresh......	$890	$720	$801	$1,536	$973	$804	$1,160	$1,390	$681
Price Per Ton-Proc........	$714	$424	$492	$707	$555	$352	$529	$576	$481
Price Per Ton-All.........	$806	$629	$718	$1,361	$876	$687	$1,049	$1,220	$632
Value..............$1,000	27,646	27,676	23,529	16,737	14,717	25,569	24,641	10,211	28,445
IDAHO									
Total Used.....tons.....	3,000	3,100	1,900	2,060	1,650	2,400	2,100	2,300	1,700
Value..............$1,000	1,647	2,099	1,363	1,311	961	1,105	2,065	1,971	1,259
MICHIGAN									
Fresh........tons........	1,500	2,000	1,500	2,000	2,000	3,000	3,000	4,000	6,000
Canned........do........	5,100	8,500	5,500	3,300	3,700	5,300	4,600	2,000	4,300
Brined........do........	19,300	17,100	12,000	15,900	9,000	17,600	19,200	10,000	16,800
Total Used......do......	27,000	29,000	23,000	25,500	18,000	31,000	31,000	20,000	32,000
Price Per Ton-Fresh......	$590	$1,200	$582	$850	$792	$892	$752	$800	$906
Price Per Ton-Proc........	$396	$291	$361	$360	$418	$373	$473	$520	$500
Price Per Ton-All.........	$407	$354	$375	$398	$460	$423	$500	$576	$576
Value..............$1,000	10,989	10,266	8,635	10,160	8,272	13,120	15,500	11,520	18,436
MONTANA									
Total Used.....tons.....	2,950	700	1,240	3,100	1,365	1,400	3,500	1,000	2,600
Value..............$1,000	2,012	435	882	1,934	624	932	2,255	480	2,280
NEW YORK									
Total Used.....tons.....	4,050	4,600	1,050	3,200	3,000	2,200	1,500	1,400	1,250
Value..............$1,000	1,810	2,070	653	1,946	1,706	1,248	1,005	1,188	1,049
OREGON									
Fresh........tons........	8,600	7,400	6,600	11,500	9,500	10,000	4,000	8,500	9,000
Canned........do........	5,800	3,700	3,100	4,900	4,700	2,300	3,700	2,900	4,100
Brined........do........	21,300	18,850	24,800	17,800	21,800	14,800	17,800	24,300	33,000
Total Used......do......	38,000	31,800	37,000	35,000	42,000	29,500	27,000	38,000	50,000
Price Per Ton-Fresh......	$570	$610	$732	$890	$604	$548	$861	$860	$1,020
Price Per Ton-Proc........	$537	$466	$503	$483	$451	$462	$579	$606	$593
Price Per Ton-All.........	$544	$500	$544	$617	$486	$491	$621	$663	$670
Value..............$1,000	20,672	15,900	20,122	21,586	20,396	14,489	16,761	25,187	33,493
PENNSYLVANIA									
Total Used.....tons.....	730	700	300	580	750	900	500	1,000	500
Value..............$1,000	819	763	344	796	1,095	1,098	655	1,270	740
UTAH									
Total Used.....tons.....	4,200	4,100	4,380	2,070	4,300	3,850	2,100	2,160	1,770
Value..............$1,000	2,516	2,464	2,785	1,762	2,808	1,881	1,624	1,509	1,216
WASHINGTON									
Fresh........tons........	47,500	37,200	31,800	36,100	63,500	42,500	20,200	44,100	49,500
Canned........do........	3,600	2,200	1,700	2,500	2,700	1,800	3,000	2,500	3,800
Brined........do........	12,800	5,300	7,200	7,100	7,100	5,600	7,700	12,000	12,500
Total Used......do......	67,600	48,300	44,400	50,800	80,900	55,800	35,300	62,500	74,000
Price Per Ton-Fresh......	$670	$715	$1,134	$885	$774	$868	$1,430	$1,140	$1,130
Price Per Ton-Proc........	$463	$319	$430	$404	$377	$283	$506	$498	$506
Price Per Ton-All.........	$608	$624	$934	$746	$689	$729	$1,035	$951	$923
Value..............$1,000	41,101	30,139	41,479	37,888	55,709	40,654	36,527	59,437	68,332
UNITED STATES									
Fresh........tons........	83,830	84,460	70,238	67,610	95,090	90,490	53,040	68,620	104,330
Canned........do........	14,850	14,400	10,300	10,700	11,100	9,400	11,300	7,400	12,200
Brined........do........	75,100	59,500	55,017	45,650	45,273	50,450	51,410	50,240	74,540
Other Proc...............	8,050	7,940	10,465	10,650	17,302	13,910	10,750	10,500	17,750
Total Used......do......	181,830	166,300	146,020	134,610	168,765	164,250	126,500	136,760	208,820
Price Per Ton-Fresh......	$709	$724	$939	$968	$785	$799	$1,190	$1,090	$951
Price Per Ton-Proc........	$509	$375	$447	$427	$430	$377	$515	$553	$537
Price Per Ton-All.........	$601	$552	$683	$699	$630	$609	$799	$825	$743
Value..............$1,000	109,212	91,812	99,792	94,120	106,288	100,096	101,033	112,773	155,250

*See note on following page.

TART CHERRIES—UTILIZED PRODUCTION*, PRICE, VALUE

	1979	1980	1981	1982	1983	1984	1985	1986	1987
New York									
Total used ..... tons	13,650	15,200	3,500	10,500	11,500	12,650	11,250	6,150	12,200
Price per Ton...... Dollars	924	382	902	296	920	444	512	460	190
Value.............. $1,000	12,613	5,806	3,156	3,112	10,585	5,625	5,764	2,835	2,318
Pennsylvania									
Total Used ..... tons	3,150	2,800	4,000	2,750	4,250	4,500	3,000	6,000	2,150
Price per Ton...... Dollars	992	550	912	414	946	526	536	506	574
Value.............. $1,000	3,125	1,540	3,650	1,137	4,020	2,367	1,608	3,040	1,232
Michigan									
Fresh........ tons........	1,000	2,000	1,000	2,500	1,000	2,500	2,500	1,500	2,500
Canned........ do........	14,500	26,000	13,500	27,500	9,000	27,000	22,500	15,000	27,500
Frozen........ do........	34,000	45,500	29,000	66,000	32,500	65,000	81,000	62,000	75,000
Total Used ...... do	50,000	74,500	44,000	97,500	43,500	97,500	107,500	82,500	112,500
Price per Ton...... Dollars	970	408	928	274	982	508	438	396	110
Value.............. $1,000	48,500	30,396	40,788	26,805	42,721	49,555	47,145	32,751	12,270
Wisconsin									
Total Used ..... tons	7,300	5,750	4,800	4,500	2,250	6,000	3,750	1,850	2,450
Price per Ton...... Dollars	902	372	896	260	992	488	414	426	492
Value.............. $1,000	6,585	2,139	4,305	1,171	2,232	2,922	1,549	788	1,206
TOTAL GREAT LAKES									
Total Used ..... tons	74,100	98,250	56,300	115,250	61,500	120,650	125,500	96,500	129,300
Value.............. $1,000	70,823	39,881	51,899	32,225	59,558	60,469	56,066	39,414	17,026
Colorado									
Total Used ..... tons	850	900	800	200	800	500	850	450	400
Price per Ton...... Dollars	884	434	606	376	838	500	458	798	202
Value.............. $1,000	751	391	484	75	671	250	390	359	81
Utah									
Total Used ..... tons	8,500	6,450	6,800	4,500	11,500	6,000	10,500	9,250	10,000
Price per Ton...... Dollars	872	378	744	342	804	480	460	382	144
Value.............. $1,000	7,412	2,438	5,065	1,536	9,254	2,879	4,832	3,533	1,444
Oregon									
Total Used ..... tons	1,750	2,500	2,500	2,500	3,000	800	3,250	3,000	3,100
Price per Ton...... Dollars	868	406	644	324	674	508	480	320	110
Value.............. $1,000	1,519	1,015	1,612	809	2,023	406	1,560	960	340
TOTAL WESTERN STATES									
Total Used ..... tons	11,100	9,850	10,100	7,200	15,300	7,300	14,600	12,700	13,500
Value.............. $1,000	9,682	3,844	7,161	2,420	11,948	3,535	6,782	4,852	1,865
UNITED STATES									
Fresh........ tons........	2,150	3,150	2,000	3,700	2,650	3,950	3,800	2,750	4,500
Canned........ do........	22,950	35,550	19,600	35,650	18,700	36,800	30,450	21,950	35,650
Frozen........ do........	58,150	67,700	43,750	80,400	52,600	83,300	103,400	79,750	94,100
Other Proc....... do......	1,950	1,700	1,050	2,700	2,850	3,900	2,450	4,750	8,550
Total Used ...... do	85,200	108,100	66,400	122,450	76,800	127,950	140,100	109,200	142,800
Price per Ton...... Dollars	944	404	890	282	932	500	448	406	132
Value.............. $1,000	80,505	43,725	59,060	34,645	71,506	64,004	62,848	44,266	18,891

*Utilized Production is the amount sold plus quantities used at home or held in storage. Reference is to first utilization only. Some quantities used for freezing, juice, jam, jellies, brining, are included in state totals and United States "Other Proc." but excluded from state and area processing breakdown.

ORANGES—UTILIZED PRODUCTION, USE, PRICE, VALUE*

	1978	1979	1980	1981	1982	1983	1984	1985	1986
FLORIDA									
Temple									
Fresh	2,135	2,784	1,107	838	1,563	762	626	913	1,053
Processed	2,565	3,216	2,493	2,362	3,137	2,138	2,624	2,037	2,347
Total Prod.	4,700	6,000	3,600	3,200	4,700	2,900	3,250	2,950	3,400
Price per Box	6.49	4.57	6.00	5.89	5.97	7.41	8.07	5.44	5.89
Value of Prod.	30,503	27,420	21,595	18,862	28,056	21,489	26,225	16,052	20,020
Other Early & Midseason									
Fresh	6,325	6,476	5,788	4,929	6,067	4,939	4,418	5,121	5,267
Processed	84,675	111,424	99,812	69,071	64,133	64,761	50,582	59,079	60,533
Total Prod.	91,000	117,900	105,600	74,000	70,200	69,700	55,000	64,200	65,800
Price per Box	5.84	5.04	5.27	5.97	6.58	6.89	9.15	5.92	6.12
Value of Prod.	531,440	594,216	556,674	442,116	462,255	480,259	503,120	379,766	402,834
Valencia									
Fresh	5,376	4,514	2,488	2,691	4,253	2,701	2,234	3,839	3,603
Processed	67,624	84,286	64,312	49,109	65,147	44,299	46,666	51,161	50,297
Total Prod.	73,000	88,800	66,800	51,800	69,400	47,000	48,900	55,000	53,900
Price per Box	6.35	5.34	6.23	5.99	7.11	8.52	8.73	5.97	7.64
Value of Prod.	463,550	474,192	416,397	310,431	493,486	400,418	427,019	328,593	411,659
Total Florida									
Fresh	13,836	13,774	9,383	8,458	11,883	8,402	7,278	9,873	9,923
Processed	154,864	198,926	166,617	120,542	132,417	111,198	99,872	112,277	113,177
Total Prod.	168,700	212,700	176,000	129,000	144,300	119,600	107,150	122,150	123,100
Price per Box	6.36	5.15	5.65	5.98	6.82	7.54	8.93	5.93	6.78
Value of Prod.	1,025,493	1,095,828	994,666	771,409	983,797	902,166	956,364	724,411	834,513
CALIFORNIA									
Navel & Misc.									
Fresh	14,300	21,700	24,430	21,200	27,200	25,350	23,100	26,500	26,500
Processed	6,500	10,900	14,320	5,300	13,000	8,350	3,100	6,500	8,000
Total Prod.	20,800	32,600	38,750	26,500	40,200	33,700	26,200	33,000	34,500
Price per Box	7.05	3.93	4.01	7.22	4.61	5.57	11.36	7.15	7.04
Value of Prod.	146,640	128,118	155,341	191,436	185,328	187,721	297,610	235,980	242,840
Valencia									
Fresh	10,500	17,780	13,200	12,200	16,050	12,200	17,300	17,100	16,000
Processed	6,000	9,020	13,300	3,200	19,850	2,600	8,900	3,800	8,000
Total Prod.	16,500	26,800	26,500	15,400	35,900	14,800	26,200	20,900	24,000
Price per Box	6.67	3.75	5.15	11.51	3.66	14.22	7.95	6.17	7.49
Value of Prod.	110,055	100,500	136,456	177,304	131,371	210,440	208,360	128,972	179,680
Total California									
Fresh	24,800	39,480	37,630	33,400	43,250	37,550	40,400	43,600	42,500
Processed	12,500	19,920	27,620	8,500	32,850	10,950	12,000	10,300	16,000
Total Prod.	37,300	59,400	65,250	41,900	76,100	48,500	52,400	53,900	58,500
Price per Box	6.88	3.85	4.47	8.80	4.16	8.21	9.66	6.77	7.22
Value of Prod.	256,695	228,618	291,797	368,740	316,699	398,161	505,970	364,952	422,520
ARIZ. & TEX.†									
Fresh	3,740	4,280	4,530	5,440	5,885	2,900	1,930	2,150	3,030
Processed	5,560	3,250	2,400	3,550	3,595	1,410	520	460	995
Total Prod.	9,300	7,530	6,930	8,990	9,480	4,310	2,450	2,610	4,025
Price per Box	4.77	4.07	4.39	5.17	4.72	5.90	9.48	7.25	6.61
Value of Prod.	44,359	30,682	30,413	46,508	44,699	25,431	23,225	18,914	26,614
UNITED STATES									
Fresh	42,376	57,534	51,543	47,298	61,018	48,852	49,608	55,623	55,453
Processed	172,924	222,096	196,637	132,592	168,862	123,558	112,392	123,037	130,172
Total Prod.	215,300	279,630	248,180	179,890	229,880	172,410	162,000	178,660	185,625
Price per Box	6.16	4.85	5.30	6.60	5.85	7.69	9.17	6.20	6.92
Value of Prod.	1,326,547	1,355,128	1,316,876	1,186,657	1,345,195	1,325,758	1,485,559	1,108,277	1,283,647

*Season beginning year shown. Quantities are in units of 1,000 boxes. Price per Box in dollars, and Value of Production in thousands of dollars. Net weight per box-Florida-90 pounds: California and Arizona-75 pounds; Texas-85 pounds. † Arizona only in 1984.

PROCESSED FLORIDA ORANGES*

	1978	1979	1980	1981	1982	1983	1984	1985	1986
Frozen Conc.	130,183	174,883	145,309	105,150	114,627	94,547	86,112	96,061	96,182
Chilled Juice	22,793	24,428	19,640	16,293	18,084	16,981	14,903	(a)	(a)
Chilled Sec. & Salads	315	309	227	225	170	(a)	(a)	(a)	(a)
Other Processed	6,525	6,957	6,353	4,473	2,665	2,909	1,907	18,628	20,609
TOTAL	159,816	206,577	171,529	126,141	135,546	114,437	102,922	114,689	116,791

*Season beginning year shown. Quantities are in units of 1,000 boxes, net weight 90 lbs. per box. Includes tangelos, temples & honey tangerines thru 1974. Beginning 1975 also includes tangerines and K-Early citrus. (a) Included in "Other Processed".

GRAPEFRUIT—UTILIZED PRODUCTION, USE, PRICE, VALUE*

	1978	1979	1980	1981	1982	1983	1984	1985	1986
FLORIDA									
Pink Seedless									
Fresh	9,540	10,495	8,903	8,390	9,268	9,019	9,638	12,885	13,852
Processed	3,760	5,305	5,697	6,410	3,532	4,381	6,662	5,115	6,148
Total Prod	13,300	15,800	14,600	14,800	12,800	13,400	16,300	18,000	20,000
Price per Box, Fresh	4.29	5.76	6.98	6.24	5.70	6.65	8.05	7.30	8.10
Price per box, Proc.		3.56	3.20	1.41	1.45	3.08	3.92	4.82	5.77
White Seedless									
Fresh	10,179	8,900	8,195	8,329	9,045	7,642	5,350	6,735	7,086
Processed	19,221	22,200	20,205	18,971	12,755	15,358	19,450	18,865	19,814
Total Prod	29,400	31,100	28,400	27,300	21,800	23,000	24,800	25,600	26,900
Price per box, Fresh	3.35	4.75	5.97	5.31	4.11	4.35	5.44	5.80	6.30
Price per box, Proc.		4.13	4.29	2.39	1.97	3.16	4.32	4.98	5.98
Other Varieties									
Fresh	71	106	69	.....	.....	.....	.....	.....	.....
Processed	7,229	7,794	7,231	6,000	4,800	4,500	2,900	3,150	2,900
Total Prod	7,300	7,900	7,300	6,000	4,800	4,500	2,900	3,150	2,900
Price per box, Fresh	2.94	(a)	(a)	.....	.....	.....	.....	.....	.....
Price per box, Proc		4.19	4.17	2.43	2.00	3.41	4.08	4.87	5.85
Total Florida									
Fresh	19,790	19,501	17,167	16,719	18,313	16,661	14,988	19,620	20,938
Processed	30,210	35,299	33,133	31,381	21,087	24,239	29,012	27,130	28,862
Total Prod	50,000	54,800	50,300	48,100	39,400	40,900	44,000	46,750	49,800
Price per Box, Fresh	3.54	5.30	6.50	5.78	4.91	5.60	7.12	6.79	7.49
Price per Box, Proc.		4.06	4.07	2.20	1.89	3.19	4.20	4.94	5.92
CALIFORNIA									
Desert Valleys									
Fresh	1,910	1,740	2,310	1,925	2,420	2,020	2,600	2,400	2,600
Processed	1,350	2,460	1,950	1,475	1,680	1,320	1,200	1,200	1,600
Total Prod	3,260	4,200	4,260	3,400	4,100	3,340	3,800	3,600	4,200
Price per Box, Fresh	3.64	4.66	7.19	5.28	4.70	6.68	9.48	9.86	8.48
Price per Box, Proc.		.68	.97	.08	.12	-.08	1.09	.70	.90
Other Areas									
Fresh	1,780	1,720	2,180	1,780	2,000	2,600	3,600	3,300	3,400
Processed	1,090	1,580	1,620	970	1,200	1,300	1,400	1,200	1,500
Total Prod.	2,870	3,300	3,800	2,750	3,200	3,900	5,000	4,500	4,900
Price per Box, Fresh	6.48	6.66	8.03	5.28	6.34	6.72	9.86	10.32	10.16
Price per Box, Proc.		.62	.57	-.02	.04	-.16	1.06	.60	.73
Total California									
Fresh	3,690	3,460	4,490	3,705	4,420	4,620	6,200	5,700	6,000
Processed	2,440	4,040	3,570	2,445	2,880	2,620	2,600	2,400	3,100
Total Prod	6,130	7,500	8,060	6,150	7,300	7,240	8,800	8,100	9,100
Price per Box, Fresh	4.97	5.65	7.60	5.28	5.44	6.70	9.70	10.13	9.45
Price per Box, Proc.		.66	.79	.04	.09	-.12	1.07	.65	.82
TEXAS									
Fresh	4,000	4,200	4,650	7,230	7,800	2,860	(b)	200	1,555
Processed	5,000	3,700	2,050	6,670	3,400	340	(b)	20	370
Total Prod	9,000	7,900	6,700	13,900	11,200	3,200	(b)	220	1,925
Price per Box, Fresh	1.96	3.93	4.50	3.61	2.66	3.14	(b)	9.93	9.04
Price per Box, Proc.		2.63	3.09	1.81	1.00	1.19	(b)	4.48	4.60
ARIZONA									
Fresh	1,050	1,320	1,600	1,110	1,620	1,545	1,950	1,540	1,390
Processed	1,200	1,680	1,200	1,290	1,080	725	1,050	860	810
Total Prod	2,250	3,000	2,800	2,400	2,700	2,270	3,000	2,400	2,200
Price per Box, Fresh	2.89	5.03	6.11	5.01	4.17	5.88	8.10	7.14	7.48
Price per Box, Proc.		.68	1.00	.08	.12	-.08	1.09	.69	.90
UNITED STATES									
Fresh	28,530	28,481	27,907	28,764	32,153	25,686	23,138	27,060	29,883
Processed	38,850	44,719	39,953	41,786	28,447	27,924	32,662	30,410	33,142
Total Prod	67,380	73,200	67,860	70,550	60,600	53,610	55,800	57,470	63,025
Price per Box, Fresh		5.13	6.32	5.14	4.40	5.54	7.77	7.41	7.89
Price per Box, Proc.		3.51	3.64	1.94	1.53	2.77	3.93	4.58	5.43

* Season beginning year shown. Quantities are in units of 1,000 boxes. Price per Box in dollars. Net weight per box — Florida, 85 pounds; Texas, 80 pounds; Calif. Desert Valleys and Arizona, 64 pounds; Other Calif., 67 pounds. (a) Insignificant and included with processed. (b) No commercial harvest due to freeze.

PROCESSED FLORIDA GRAPEFRUIT*

	1978	1979	1980	1981	1982	1983	1984	1985	1986
Frozen Conc	13,276	18,506	19,490	20,052	13,977	18,728	22,996	21,572	24,143
Chilled Juice	3,162	3,592	2,844	1,697	1,314	1,320	1,065	1,189	1,267
Chilled Sections & Salads	771	801	645	628	417	320	(a)	(a)	(a)
Other Processed	13,001	12,400	10,154	9,004	5,379	3,871	4,951	4,369	3,452
TOTAL	30,210	35,299	33,133	31,381	21,087	24,239	29,012	27,130	28,862

*Season beginning year shown. Quantities are in units of 1,000 boxes, net weight 85 lbs. per box. (a) Included with "Other Processed".

APRICOTS—UTILIZED PRODUCTION*, USE, PRICE, VALUE

	1979	1980	1981	1982	1983	1984	1985	1986	1987
WASHINGTON									
Fresh ....tons..	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Processed ....do..	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Total Used ....do..	2,500	2,500	1,300	2,900	2,900	3,400	2,400	4,300	3,900
Price per Ton .....Dollars	346	386	593	531	604	490	628	772	709
Value $1,000	865	965	771	1,540	1,751	1,665	1,508	3,319	2,765
CALIFORNIA									
Fresh ....tons..	7,000	9,500	9,500	8,000	6,500	12,200	17,000	6,300	12,500
Canned ....do..	84,000	80,500	43,500	62,000	43,800	66,800	61,000	27,000	53,000
Dried ....do..	39,000	27,100	25,000	33,000	28,200	22,500	13,000	9,500	22,300
Frozen ....do..	10,000	7,900	8,500	12,000	11,000	11,500	12,000	7,200	12,200
Total Used ....do..	140,000	125,000	86,500	115,000	89,500	113,000	103,000	50,000	100,000
Price per Ton .....Dollars	265	288	308	299	306	302	255	371	335
Value $1,000	37,037	36,000	26,615	34,337	27,404	34,178	26,276	18,564	33,451
UNITED STATES[1]									
Fresh ....Tons..	10,890	13,130	12,230	10,810	10,550	15,780	19,980	10,750	16,750
Canned ....do..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried ....do..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Frozen ....do..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total Used ....do..	144,200	129,000	89,380	118,060	93,800	117,080	106,330	55,100	104,800
Price per Ton .....Dollars	269	291	311	304	315	308	265	402	349
Value $1,000	38,718	37,505	27,765	35,933	29,519	36,081	28,137	22,174	36,536

*Utilized production is the amount sold plus quantities used at home or held in storage. Reference is to first utilization only. In Washington, some quantities used for juice, jam, dried or frozen are included with canned, and some quantities canned or otherwise processed are included with fresh to avoid disclosure of individual operations. [1] Includes Utah. (a) Not published to avoid disclosure of individual operations. n.a.-Not available.

CRANBERRIES—UTILIZED PRODUCTION*, USE, PRICE†, VALUE

	1979	1980	1981	1982	1983	1984	1985	1986	[1]1987
MASSACHUSETTS									
Fresh ....1,000 bbl..	130.0	110.0	205.0	169.0	177.0	170.0	167.0	159.0	n.a.
Processed ....do..	880.0	1,016.0	875.0	998.0	1,217.0	1,442.0	1,472.0	1,529.0	n.a.
Shrinkage ....do..	70.0	59.0	92.0	120.0	27.0	51.0	48.0	125.0	n.a.
Production Used .....do..	1,080.0	1,185.0	1,172.0	1,287.0	1,421.0	1,663.0	1,687.0	1,813.0	1,440.0
Price per bbl ......Dollars	26.60	33.50	41.50	46.30	51.70	54.50	54.80	51.70	n.a.
Value $1,000	28,728	39,698	48,639	59,588	73,466	90,634	92,448	93,732	74,448
Harvested Acres	11,200	11,200	11,200	11,200	11,200	11,200	11,300	11,300	11,400
Yield per Acre ......bbl..	96.4	105.8	104.6	114.9	126.9	148.5	149.3	160.4	126.3
NEW JERSEY									
Fresh ....1,000 bbl..	.....	.....	.....	.....	n.a.	n.a.	n.a.	n.a.	n.a.
Processed ....do..	248.0	240.1	223.5	289.0	229.0	271.8	319.0	324.0	n.a.
Shrinkage ....do..	5.0	4.9	4.5	6.0	4.0	2.2	1.0	1.0	n.a.
Production Used .....do..	253.0	245.0	228.0	295.0	233.0	274.0	320.0	325.0	280.0
Price per bbl ......Dollars	26.90	33.20	41.60	46.80	52.40	55.10	55.30	52.90	n.a.
Value $1,000	6,806	8,134	9,485	13,806	12,209	15,097	17,696	17,193	14,812
Harvested Acres	3,000	2,900	2,900	3,000	3,100	3,200	3,300	3,300	3,200
Yield per Acre ......bbl..	84.3	84.5	78.6	98.3	75.2	85.6	97.0	98.5	87.5
WISCONSIN									
Fresh ....1,000 bbl..	153.0	216.0	265.0	314.0	131.0	114.0	106.0	132.0	n.a.
Processed ....do..	720.0	821.0	665.0	953.0	958.0	1,058.0	1,096.0	1,129.0	n.a.
Shrinkage ....do..	28.0	43.0	38.0	33.0	43.0	28.0	28.0	19.0	n.a.
Production Used .....do..	901.0	1,080.0	968.0	1,300.0	1,132.0	1,200.0	1,230.0	1,280.0	1,264.0
Price per bbl ......Dollars	26.70	32.80	41.30	47.10	52.20	54.10	53.70	51.30	n.a.
Value $1,000	24,057	35,424	39,988	61,261	59,107	64,960	66,051	65,664	64,843
Harvested Acres	7,100	7,200	7,100	7,200	7,300	7,400	7,500	7,900	8,100
Yield per Acre ......bbl..	126.9	150.0	136.3	180.6	115.1	162.2	164.0	162.0	156.0
WASHINGTON									
Fresh ....1,000 bbl..	18.5	.....	9.5	11.0	13.3	9.8	40.7	46.2	n.a.
Processed ....do..	125.4	100.8	117.9	76.0	109.3	90.7	106.3	53.4	n.a.
Shrinkage ....do..	3.1	3.2	1.6	5.0	2.4	2.5	1.0	.4	n.a.
Production Used .....do..	147.0	104.0	129.0	92.0	125.0	103.0	148.0	100.0	130.0
Price per bbl ......Dollars	26.70	33.10	41.70	47.10	52.50	55.40	55.50	53.10	n.a.
Value $1,000	3,925	3,442	5,379	4,333	6,562	5,706	8,214	5,310	6,903
Harvested Acres	1,100	1,100	1,100	1,100	1,100	1,100	1,200	1,200	1,200
Yield per Acre ......bbl..	133.6	94.5	117.3	83.6	113.6	93.6	123.3	83.3	108.3

*Does not include quantities set aside under marketing order or other quantities not utilized. Marketing order set asides exported however are included. † Equivalent returns at first delivery point. [1] Season average prices not available, 1986 prices used to compute 1987 value.

CRANBERRIES—UTILIZED PRODUCTION*, USE—Continued

	1979	1980	1981	1982	1983	1984	1985	1986	[1]1987
OREGON									
Fresh ....1,000 bbl..	.5	.1	.1	.1	n.a.	n.a.	.1	n.a.	n.a.
Processed ....do..	93.6	81.7	95.7	64.8	74.8	82.0	99.9	122.0	n.a.
Shrinkage ....do..	.4	1.7	.2	.1	.2	n.a.	n.a.	n.a.	n.a.
Production Used .....do..	94.5	83.5	96.0	65.0	75.0	82.0	100.0	122.0	144.0
Price per bbl ......Dollars	26.70	33.10	41.70	47.10	52.50	[illegible]5.40	55.50	53.10	n.a.
Value $1,000	2,523	2.764	4,003	3,062	3,938	4,543	5,500	6,478	7,646
Harvested Acres	800	790	850	810	850	920	1,100	1,200	1,200
Yield per Acre ......bbl..	118.1	105.7	112.9	80.2	88.2	89.1	90.9	102.0	120.0
UNITED STATES									
Fresh ....1,000 bbl..	302.0	326.1	479.6	494.1	321.3	293.8	313.8	337.2	n.a.
Processed ....do..	2,067.0	2,259.6	1,977.1	2,380.8	2,588.1	2,944.5	3,093.2	3,157.4	n.a.
Shrinkage ....do..	106.5	111.8	136.3	164.1	76.6	83.7	78.0	145.4	n.a.
Production Used .....do..	2,475.5	2,697.5	2,593.0	3,039.0	2,986.0	3,322.0	3,485.0	3,640.0	3,258.0
Price per bbl ......Dollars	26.70	33.20	41.50	46.70	52.00	54.50	54.50	51.80	n.a.
Value $1,000	66,039	89.462	107,494	142,050	155,282	180,940	189,925	188,377	168,652
Harvested Acres	23,200	23,190	23,150	23,310	23,550	23,820	24,400	24,900	25,100
Yield per Acre ......bbl..	106.7	116.3	112.0	130.4	126.8	139.5	142.8	146.2	129.8

See notes on preceding page.

CALIFORNIA OLIVES — UTILIZED PRODUCTION, PRICE, VALUE

	1979	1980	1981	1982	1983	1984	1985	1986	1987
Fresh ....Tons..	500	300	300	500	400	400	500	500	500
Crushed/Oil ....do..	1,600	3,500	2,000	2,500	600	2,900	5,800	6,000	2,500
Canned ....do..	52,300	76,800	37,900	98,000	48,000	76,700	76,100	85,000	55,000
Other[1] ....do..	7,600	28,400	4,700	45,500	12,000	10,600	13,600	20,000	9,000
Total Used ....do..	62,000	109,000	44,900	146,500	61,000	90,600	96,000	111,500	67,000
Price per Ton ....$..	408	368	695	517	519	560	559	590	480
Value $1,000	25,296	40,137	31,222	75,795	31,641	50,712	53,635	65,740	32,170

[1] Beginning in 1984 California Spanish Green, Sicilian Styles, chopped, minced, brined and other cures formerly included in "other" are included in "Canned". (a) Included in "other".

PEACHES — UTILIZED PRODUCTION, PRICE, VALUE

	1979	1980	1981	1982	1983	1984	1985	1986	1987
California — Clingstone									
Fresh ....Mil. Lbs.	2.4	2.2	3.0	2.0	.....	.....	.....	.....	.....
Canned ....do..	1,299.2	1,376.1	1,086.3	920.0	614.5	952.0	910.0	842.0	844.0
Dried ....do..	.....	.....	.....	.....	.....	.....	.....	.....	.....
Frozen ....do..	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other ....do..	8.4	n.a.	n.a.	n.a.	n.a.	14.0	7.5	31.5	58.0
Total Used ....do..	1,310.0	1,382.0	1,106.0	943.0	619.0	966	917.5	873.5	902.0
Price per lb ....cents	8.90	9.40	10.40	9.20	9.00	10.00	11.0	9.8	10.6
Value $1,000	116,590	129.908	115,072	86,820	55,710	96,600	100,925	85,603	95,612
California — Freestone									
Fresh ....Mil. Lbs.	274.0	290.0	286.0	266.0	303.0	313.0	315.0	302.0	310.0
Canned ....do..	74.0	78.0	42.2	40.0	36.0	36.0	50.0	48.0	48.0
Dried ....do..	33.0	34.0	34.8	45.0	36.0	28.0	32.5	32.5	35.0
Frozen ....do..	n.a.	n.a.	71.0	64.0	60.0	80.0	88.5	112.5	118.0
Other ....do..	.....	n.a.	n.a.	n.a.	n.a.	.....	.....	.....	.....
Total Used ....do..	468.0	476.0	434.0	415.0	435.0	457.0	486.0	495.0	511.0
Price per lb ....cents	10.90	9.90	12.30	10.60	11.30	9.8	11.4	13.8	13.4
Value $1,000	51,012	47.124	53,556	43,861	49,041	44,798	55,179	68,508	68,252
Total California									
Fresh ....Mil. Lbs.	276.4	292.2	289.0	268.0	303.0	313.0	315.0	302.0	310.0
Canned ....do..	1,373.2	1,454.1	1,128.5	960.0	650.5	988.0	960.0	890.0	892.0
Dried ....do..	33.0	34.0	34.8	45.0	36.0	28.0	32.5	32.5	35.0
Frozen ....do..	n.a.	n.a.	n.a.	64.0	60.0	80.0	88.5	112.5	118.0
Other ....do..	8.4	n.a.	n.a.	21.0	4.5	14.0	7.5	31.5	58.0
Total Used ....do..	1,778.0	1,858.0	1,540.0	1,358.0	1,054.0	1,423.0	1,403.5	1,368.5	1,413.0
Price per lb ....cents	9.43	9.96	10.94	9.62	9.94	9.94	11.1	11.3	11.6
Value $1,000	167,602	177,032	168,628	130,681	104,751	141,398	156,104	154,111	163,864
United States									
Fresh ....Mil. Lbs.	1,250.5	1,324.1	1,331.0	976.9	967.1	1,286.9	924.8	1,112.8	1,124.3
Canned ....do..	1,427.6	1,498.3	1,173.7	983.9	675.4	1,028.5	982.6	926.9	929.8
Dried ....do..	33.0	34.0	34.8	45.0	36.0	28.0	32.5	32.5	35.0
Frozen ....do..	93.5	77.1	78.3	70.5	64.3	89.0	93.3	136.3	144.4
Other ....do..	29.6	20.6	22.0	25.6	11.0	35.5	13.2	31.4	67.7
Total used ....do..	2,834.2	2,954.1	2,639.8	2,101.9	1,753.8	2,467.9	2,046.4	2,239.9	2,301.2
Price per lb.........cents	11.60	12.4	13.3	14.40	14.80	13.0	15.0	14.6	14.2
Value $1,000	329,536	367,170	351,610	302,550	259,801	320,671	307,338	327,155	326,087

PEACHES—UTILIZED PRODUCTION, PRICE, VALUE

State	Utilized Production			Price Per Pound			Value of Utilized Prod.		
	1985	1986	1987	1985	1986	1987	1985	1986	1987
	Million pounds			Cents			1,000 Dollars		
Alabama	1.5	6.0	10.0	30.5	27.2	23.6	458	1,632	2,360
Arkansas	4.5	9.5	1.4	17.2	17.3	28.1	776	1,643	393
California Freestone	486.0	495.0	511.0	11.4	13.8	13.4	55,179	68,508	68,252
Colorado	15.0	6.7	17.0	26.0	31.0	22.4	3,900	2,077	3,814
Connecticut	3.0	2.6	2.5	41.0	48.0	52.0	1,230	1,248	1,300
Delaware	1.2	2.7	.9	26.2	18.5	18.9	314	500	170
Georgia	83.0	101.0	98.0	24.6	19.7	18.1	20,439	19,892	17,758
Idaho	10.0	11.0	10.0	19.6	23.6	16.7	1,960	2,596	1,672
Illinois	(a)	20.5	19.0	(a)	24.0	27.5	(a)	4,920	5,220
Indiana	(a)	4.0	7.5	(a)	33.0	28.9	(a)	1,320	2,168
Kansas	3.0	4.5	2.4	25.1	37.0	30.0	753	1,665	720
Kentucky	(a)	2.0	8.9	(a)	20.4	24.5	(a)	408	2,181
Louisiana	6.0	.2	.5	33.0	34.0	46.0	1,980	68	230
Maryland	1.0	20.0	9.0	26.2	20.4	15.4	262	4,088	1,385
Massachusetts	2.1	1.8	2.0	41.0	48.0	52.0	861	864	1,040
Michigan	55.0	50.0	59.0	20.9	17.7	16.1	11,515	8,864	9,526
Mississippi	2.5	.3	.5	35.0	33.0	31.0	875	99	155
Missouri	(a)	12.0	13.0	(a)	21.0	18.7	(a)	2,520	2,431
New Jersey	90.0	100.0	76.0	28.3	23.6	22.7	25,454	23,643	17,234
New York	14.0	14.0	13.8	23.2	23.6	21.5	3,252	3,308	2,971
North Carolina	2.0	20.9	23.0	25.0	15.7	16.8	500	3,281	3,864
Ohio	(a)	2.5	9.0	(a)	29.0	28.0	(a)	725	2,520
Oklahoma	8.0	5.5	5.0	23.3	33.4	36.9	1,864	1,837	1,845
Oregon	14.5	13.0	14.0	29.0	27.3	27.5	4,199	3,554	3,847
Pennsylvania	37.4	100.0	85.0	25.1	18.2	17.5	9,376	18,179	14,916
South Carolina	220.0	248.0	300.0	20.2	16.0	14.9	44,460	39,700	44,790
Tennessee	(a)	3.7	2.5	(a)	24.0	34.6	(a)	888	865
Texas	26.0	9.5	4.8	28.0	39.0	38.0	7,280	3,705	1,824
Utah	10.5	10.5	9.5	17.0	17.7	16.0	1,785	1,859	1,520
Virginia	1.7	26.0	24.0	22.1	21.2	17.1	376	5,518	4,097
Washington	31.0	40.0	43.0	23.8	22.8	16.5	7,365	9,105	7,076
West Virginia	(a)	23.0	17.0	(a)	14.5	13.4	(a)	3,338	2,281
Total Above	1,128.9	1,366.4	1,399.2	18.3	17.7	16.5	206,413	241,552	230,475
California Clingstone	917.5	873.5	902.0	11.0	9.8	10.6	100,925	85.603	95,612
U.S.	2,046.4	2,239.9	2,301.2	15.0	14.6	14.2	307,338	327,155	326,087

(a) No significant commercial production due to frost.

PEARS — UTILIZED PRODUCTION, USE, PRICE, VALUE

	1979	1980	1981	1982	1983	1984	1985	1986	1987
Eastern & Central[1] — All Varieties									
Fresh .... 1,000 Tons	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Canned .... do	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried .... do	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total Used...... do	31.3	35.0	30.6	36.1	31.2	35.6	28.1	34.4	27.0
Price per Ton..... Dollars	211.00	241.00	242.00	234.00	274.00	246.00	262.00	243.00	266.00
Value............. 1,000 $	6,589	8,434	7,426	8,441	8,562	8,744	7,349	8,342	7,189
California — Bartlett									
Fresh .... 1,000 Tons	51.0	72.0	70.0	81.0	44.7	66.3	69.0	70.0	75.0
Canned† .... do	293.9	306.9	288.8	225.8	208.4	218.6	204.5	206.0	243.0
Dried .... do	10.1	8.1	7.2	7.2	6.4	4.6	8.5	9.0	8.0
Total Used...... do	355.0	387.0	366.0	314.0	259.5	289.5	282.0	285.0	326.0
Price per Ton..... Dollars	197.00	185.00	176.00	148.00	142.00	176.00	233.00	218.00	173.00
Value...... 1,000 $	69,935	71,496	64,514	46,410	36,812	51,007	65,814	62,185	56,505

See notes next page.

PEARS — UTILIZED PRODUCTION, USE, PRICE, VALUE — Continued

	1979	1980	1981	1982	1983	1984	1985	1986	1987
California — Other Varieties									
Fresh ....1,000 Tons ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Canned ....do ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried ....do ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total used ....do ..	9.8	10.7	10.0	7.5	8.2	10.0	10.5	9.0	12.0
Price per Ton ....Dollars	208.00	159.00	177.00	234.00	331.00	253.00	373.00	522.00	645.00
Value ....1,000$	2,038	1,699	1,772	1,754	2,718	2,527	3,921	4,695	7,736
Total California									
Fresh ....1,000 Tons ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Canned ....do ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried ....do ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total ....do ..	364.8	397.7	376.0	321.5	267.7	299.5	292.5	294.0	338.0
Price per Ton ....Dollars	197.00	184.00	176.00	150.00	148.00	179.00	238.00	227.00	190.00
Value ....1,000$	71,973	73,195	66,286	48,164	39,530	53,534	69,735	66,880	64,241
Washington — Bartlett									
Fresh ....1,000 Tons ..	36.3	32.9	42.4	44.6	56.4	24.5	33.3	39.5	56.0
Canned† ....do ..	116.7	110.1	102.1	96.7	84.4	76.5	77.7	86.5	115.0
Dried ....do ..	†	†	†	†	†	†	†	†	†
Total used ....do ..	153.0	143.0	144.5	141.3	140.8	101.0	111.0	126.0	171.0
Price per ton .....Dollars	180.00	185.00	147.00	154.00	180.00	218.00	248.00	240.00	191.00
Value ....1,000$	27,540	26,459	21,303	21,736	25,325	21,996	27,484	30,248	32,658
Washington — Other varieties									
Fresh ....1,000 Tons ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Canned ....do ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried ....do ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total used ....do ..	93.0	113.0	130.8	123.5	138.0	103.0	114.0	140.0	165.0
Price per Ton ....Dollars	269.00	249.0	260.00	245.00	171.00	325.00	365.00	339.00	168.00
Value ....1,000$	25,017	28,112	34,049	30,269	23,648	33,432	41,642	47,480	27,645
Total Washington									
Fresh ....1,000 Tons ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Canned† ....do ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried ....do .	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total used ....do ..	246.0	256.0	275.3	264.8	278.8	204.0	225.0	266.0	336.0
Price per ton .....Dollars	214.00	213.00	201.00	196.00	176.00	272.00	307.00	292.00	179.00
Value ....1,000$	52,557	54,571	55,352	52,005	48,973	55,428	69,126	77,728	60,303
Oregon — Bartlett									
Fresh ....1,000 Tons ..	16.1	13.0	23.8	24.5	22.0	12.7	17.0	19.0	23.0
Canned† ....do ..	68.9	67.0	61.2	45.5	41.0	31.3	58.0	31.0	55.0
Dried ....do ..	†	†	†	†	†	†	†	†	†
Total Used ....do ..	85.0	80.0	85.0	70.0	63.0	44.0	75.0	50.0	78.0
Price per Ton ....Dollars	172.00	170.00	115.00	130.00	149.00	217.00	230.00	252.00	203.00
Value ....1,000$	14,620	13,604	9,805	9,104	9,400	9,569	17,282	12,589	15,796
Oregon — Other Varieties									
Fresh ....1,000 Tons ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Canned† ....do ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried ....do ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total Used ....do ..	120.0	120.0	117.0	105.0	125.0	106.0	118.0	112.0	140.0
Price per Ton ....Dollars	224.00	202.00	224.00	268.00	188.00	288.00	302.00	331.00	219.00
Value ....1,000$	26,880	24,288	26,228	28,142	23,473	30,542	35,588	37,036	30,618
Total Oregon									
Fresh ....1,000 Tons ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Canned† ....do ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried ....do ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total Used ....do ..	205.0	200.0	202.0	175.0	188.0	150.0	193.0	162.0	218.0
Price per Ton ....Dollars	202.00	189.00	178.00	213.00	175.00	267.00	274.00	306.00	213.00
Value ....1,000$	41,500	37,892	36,033	37,246	32,873	40,111	52,870	49,625	46,414
Total Western[4]									
Fresh ....1,000 Tons ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Canned ....do ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Dried ....do ..	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total Used ....do ..	822.9	861.3	863.4	766.6	743.3	661.2	718.9	726.0	901.6
Price per Ton ....Dollars	204.00	194.00	185.00	181.00	166.00	228.00	270.00	269.00	192.00
Value ....1,000$	167,706	167,398	159,895	138,738	123,302	150,986	193,760	195,482	173,102
United States									
Fresh ....1,000 Tons ..	300.1	345.1	378.0	368.1	384.5	324.1	349.7	375.4	454.9
Canned† ....do ..	554.1	551.3	516.0	434.6	390.0	372.7	397.3	384.9	473.8
Dried ....do ..	†	†	†	†	†	†	†	†	†
Total Used ....do ..	854.2	896.4	894.0	802.7	774.5	696.8	747.0	760.4	928.6
Price per Ton ....Dollars	204.00	196.00	187.00	183.00	170.00	229.00	269.00	268.00	194.00
Value ....1,000$	174,295	175,832	167,321	147,179	131,864	159,730	201,109	203,824	180,291

[1] Includes Conn., N.Y., Pa., and Mich. † Some Quantities otherwise processed may be included with canned to avoid disclosure of individual operations. [4] Includes Colo., Utah, Wash., Ore., Calif.

THE ALMANAC

OF THE CANNING, FREEZING, PRESERVING INDUSTRIES

Section VIII

U. S. PACK STATISTICS

The canned fruit and vegetable packs published herein are taken from reports of the Nat'l Food Processors Assn. and represent packs of all known Canners of the products.

GLASS - Although the pack in glass containers has been reported separately wherever feasible, it has been combined, in most instances, with that of tin containers of the same approximate size. When tin and glass are combined, or when two or more container sizes are combined, the order of listing indicates the relative importance of each.

The Frozen Food pack statistics were compiled by the American Frozen Food Institute. Data represent only the commercial pack and do not include production in frozen food locker plants nor custom freezing for industrial users.

INDEX

BABY FOODS* 559
CENSUS, INDUSTRY* 577
EXPORTS, U.S. 585
IMPORTS, U.S. 587

FISH PACKS, CANNED 553
- Animal Food 553
- Caviar 553
- Clams 553
- Crabmeat 553
- Oysters 553
- Salmon 555
- Sardines, Maine 553
- Shrimp 553
- Tuna 556
- Other 553

FRUIT & JUICE PACKS, CANNED 545
- Apples* 545
- Apple Juice* 546
- Applesauce* 546
- Apricots 547
- Blackberries* 545
- Blueberries* 545
- Cherries 548
- Cranberry Sauce* 545
- Fruit Cocktail 549
- Fr. for Salad 549
- Grapefruit* 549
- Grapefruit Juice 550
- Blended Juice 550
- Orange Juice 550
- Peaches 551
- Pears 552
- Pineapple* 545
- Pineapple Juice 545
- Plums 552
- Summary 545

FRUIT & JUICE PACKS, FROZEN 571
- Apples 571
- Blackberries 572
- Blueberries 573
- Cherries, RSP 572
- Juices, Citrus 574
- Juices, Non-Citrus 574
- Peaches 572
- Red Raspberries 573
- Strawberries 573
- Totals 571

MEAT PACKS, Dinners, Entrees, Pizza, Pies 557

MEAT PACKS, CANNED 557

SPECIALTY PACKS* 558, 559
STOCKS and SHIPMENTS (Canned) .... See Indiv. Pack
SUPPLY-STOCKS-MOVEMENT (Frozen) 575

VEGETABLE PACKS, CANNED 527
- Asparagus 528
- Beans, Green 529
- Beans, Lima 531
- Beans, Wax 529
- Beets 532
- Carrots 532
- Corn 533
- Leafy Greens* 527
- Okra* 527
- Okra & Tom.* 527
- Peas 535
- Peas, Blackeye* 538
- Peas, Field* 538
- Peas & Carrots* 527
- Pimientos* 527
- Potatoes, Sweet 539
- Potatoes, White 539
- Pumpkin* 538
- Sauerkraut 540
- Spinach* 540
- Succotash* 527
- Summary 527
- Tomatoes 541
- Tomato Catsup 543
- Tomato Juice* 543
- Tom. Chili Sauce 543
- Tomato Paste 542
- Tomato Puree 544

VEGETABLE PACKS, FROZEN 560
- Asparagus 561
- Beans, Green 561
- Beans, Wax 562
- Beans, Lima 562
- Broccoli 563
- Brussels Sprouts 563
- Carrots 564
- Cauliflower 565
- Corn 565
- Okra 566
- Onions 566
- Peas, Black-eye 567
- Peas, Green 567
- Potatoes 568
- Pumpkin & Sq. 568
- Spinach 568
- Squash, Summer 569
- Vegetable Mixes 570
- Zucchini 569
- Totals 560, 561

WORLD PACKS 606

---

*Pack Figures for recent years not available.

CANNED VEGETABLE PACKS

REGIONAL DEFINITIONS - With the 1984 pack reports NFPA established the following regional definitions for all NFPA statistical reports (and adjusted 1982 and 1983 figures accordingly):

EAST - ME, NH, VT, MA, CT, RI, NY, PA, NJ, DE, MD, VA, WV

SOUTH - NC, SC, GA, FL, AL, MS, TN, AR, LA, OK, TX, KY

MIDWEST - OH, IN, MI, IL, WI, MN, IA, MO, ND, SD, NE, KS

WEST - WA, OR, CA, ID, NV, MT, WY, UT, CO, AZ, AK, NM, HI

The uninitiated will no longer be able to determine the major packing states of a specific commodity from these tables. To make this determination, Almanac users are referred to Section VII "Raw Product Statistics".

SUMMARY OF CANNED VEGETABLE PACKS

PLEASE NOTE: The vegetable packs in this section are rounded to the nearest thousand cases. Column totals therefore will not necessarily agree exactly with totals shown. In comparing yearly totals, notice the declining number of products included as result of discontinued reports.

Thousands of Cases, basis 24 No. 303 Cans. Figures Rounded

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Asparagus	3,382	2,819	2,535	2,844	2,727	2,549	2,928	3,097	3,154	3,361
Beans, green	53,229	62,624	54,769	49,797	46,335	44,227	49,566	53,229	46,915	54,008
Beans, wax	3,892	3,657	3,384	3,012	2,496	2,279	2,523	2,274	1,935	1,943
Beans, Lima	3,356	3,061	2,833	2,602	2,275	2,338	2,316	1,966	1,738	1,329
Beets (a)	12,973	15,103	10,878	9,657	10,868	9,039	9,292	9,386	9,042	12,127
Carrots (a)	6,250	7,267	4,365	5,251	5,932	4,695	5,100	4,486	4,344	5,196
Carrots & Peas	1,765	2,096	1,624	1,360	D	D	D	D	D	D
Corn, sweet	57,907	60,022	50,574	57,949	60,522	51,595	56,879	55,729	55,090	59,177
Leafy greens	2,880	3,195	2,624	2,120	1,584	D	D	D	D	D
Okra	257	436	391	264	359	D	D	D	D	D
Okra & Tom	187									
Peas, field	2,364	2,542	1,965	2,895	1,998	D	D	D	D	D
Peas, green	25,269	36,492	30,056	27,296	24,790	20,827	23,312	29,306	20,919	23,057
Pimientos	376	530	540	608	756	D	D	D	D	D
Potatoes, swt (a)	9,436	9,174	5,917	7,955	7,049	5,315	5,283	6,149	7,469	6,055
Potatoes, wht (a)	6,693	6,517	5,857	7,103	5,714	D	D	D	D	D
Pump. & Sq.	3,353	3,997	3,744	3,975	4,404	D	D	D	D	D
Sauerkraut (a)	9,509	9,016	8,173	8,686	8,417	5,844	7,011	7,687	7,719	†
Spinach (a)	6,214	8,121	6,314	5,458	D	D	D	D	D	D
Succotash (b)	142	771	828	777	D	D	D	D	D	D
Tomatoes*	49,241	52,896	53,096	51,937	63,089	61,561	66,376	59,585	63,148	73,237
T. Juice	33,920	31,517	27,617	17,507	23,955	D	D	D	D	D
T. Chili Sc.	2,834	1,977	2,038	1,680	1,826	1,665	1,965	2,086	2,326	1,622
T. Puree	8,425	10,395	8,141	6,900	9,788	8,703	(d)	(d)	(d)	(d)
Total Basis 303's	303,834	334,211	288,263	277,633	284,884	220,637	232,551	234,980	223,799	†241,112
Total Basis 2's	248,775	274,721	236,952	228,214	234,175	181,364	191,157	193,154	183,963	†198,194
Total actual cases	268,659	294,836	255,389	248,611	248,882	191,396	204,222	207,450	197,483	†212,507
# Products in tots.	24	24	24	24	21	13	12	12	12	†11

(D) Reports discontinued to avoid disclosure. (a) Pack beginning year shown. (b) Single & triple. (d) Total U.S. figure discontinued, 303 conversion for Calif. not available. *Includes concentrated crushed tomatoes. † Excludes Sauerkraut. Data not available at press time.

NEW
Published 6/1/88

THE 1988-89 DIRECTORY OF THE CANNING, FREEZING, PRESERVING INDUSTRIES

FOR FOOD BUYERS, The Directory is the ideal source book. It's the easy way to find basic food products, to find new products to spruce up your menu and to fill out your product line. This well-organized, easy to use directory will give you more detail about each company than any other directory. All of the information that you need to do business intelligently and efficiently with the packer is here. $110 each

See Sample Pages at pages 645-650 this Almanac.

By the Publishers of THE ALMANAC
Edward E. Judge & Sons, Inc.
P.O. Box 866, Westminster, MD 21157 USA (301) 876-2052

ORDER BY PHONE

ASPARAGUS PACKS IN THE UNITED STATES*

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn.

Thousands of Cases, basis 24 No. 303 Cans.

1940	3,974	1947	4,677	1954	6,073	1961	8,357	1968	6,925	1975	3,551
1941	3,907	1948	4,417	1955	7,623	1962	9,053	1969	6,817	1976	3,609
1942	5,138	1949	5,390	1956	6,615	1963	9,263	1970	5,913	1977	3,705
1943	4,710	1950	5,531	1957	7,093	1964	8,217	1971	5,542	1978	3,382
1944	5,114	1951	5,850	1958	7,540	1965	7,208	1972	5,860	1979	2,819
1945	5,302	1952	5,312	1959	7,086	1966	7,896	1973	5,794	1980	2,535
1946	5,583	1953	4,902	1960	7,971	1967	6,638	1974	5,643	1981	2,844

*Green asparagus only beginning in 1971.

GREEN ASPARAGUS PACKS BY SIZE OF CONTAINER

(Thousands of Actual Cases—Figures Rounded—Season beginning March 1 of Year Shown)

Units per case & Sz. of Cont.	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
24/8Z	507	299	248	190	(c)	(c)	(c)	(c)	240	163
48/1 Pic	399	405	312	265	348	298	313	(c)	(c)	(c)
24/300-300 cyl.	2,179	1,781	1,775	1,935	1,673	1,510	1,870	2,071	2,075	2,229
24/15z	131	114	145	(a)	(a)	(a)	(a)	(a)	(a)	(a)
6/5 Squat	84	113	76	(b)	(b)	(b)	(b)	50	(b)	(c)
6/10	196	178	104	127	159	219	217	36	54	103
Misc. T&G	107	19	13	16	261	238	149	595	446	458
Total Act. Cs	3,603	2,909	2 673	2,533	2,441	2,265	2,548	2,752	2,815	2,952
Total bas. 303's	3,382	2,819	2,535	2,844	2,727	2,549	2,928	3,097	3,154	3,361

(a) Included in 24/300. (b) Included in 6/10. (c) Included in Misc. (24/10½ & 12/12½-13).

GREEN ASPARAGUS PACKS BY STATE & STYLE

(Thousands of Actual Cases—Figures Rounded—Season Beginning March of Year Shown)

BY STATE	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
East	(a)	(a)	(a)	(a)	(a)	(a)	(a)	0	(a)	(a)
Illinois	363	318	(a)	(a)	(a)	(a)	(b)	(b)	(b)	(b)
Michigan	1,104	744	638	553	640	777	(b)	(b)	(b)	(b)
Midwest	.....	.....	.....	.....	.....	.....	1,137	1,054	1,131	1,152
Wash. & Ore.	1,514	1,302	1,253	1,377	1,355	1,146	(c)	(c)	(a)	(c)
California	330	(a)	(a)	(a)	(a)	(a)	(c)	(c)	(a)	(c)
West	.....	.....	.....	.....	.....	.....	1,392	1,698	(a)	1,725
Other	292	545	415	603	446	342	19	(b)	1,684	75
Total	3,603	2,909	2,673	2,533	2,441	2,265	2,548	2,752	2,815	2,952
BY STYLE										
Spears	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1,444
Cuts & Bottoms	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1,508

(a) In "Other". (b) In Midwest. (c) In West. n.a. Not available.

ASPARAGUS CARRYOVER—PACK—STOCK—SHIPMENTS

(Thousands of Actual Cases—Figures Rounded—Season Beginning Year Shown)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Carryover 3/1	668	1,026	1,093	707	594	797	685	673	785	645
Pack	3,603	2,909	2,673	2,533	2,441	2,265	2,548	2,752	2,815	2,952
Tot. Cner. Sup	4,272	3,935	3,766	3,240	3,036	3,063	3,233	3,425	3,600	3,597
CANNERS STOCKS										
Jan. 1	1,511	1,633	1,243	993	1,149	1,070	1,068	1,272	1,166	1,376
March 1	1,026	1,093	707	594	797	685	673	785	645	865
CANNER SHIPMENTS										
Mar. 1 to Jan. 1	2,761	2,302	2.523	2,248	1,887	1,993	2,165	2,153	2,434	2,221
Jan. 1 to Mar. 1	485	540	536	398	352	385	396	487	521	510
Mar. 1 to Mar. 1	3,246	2,842	3,059	2,646	2,238	2,378	2,561	2,640	2,955	2,731
EXPORTS**	148	176	188	205	112	99	89	65	58	69
GOV. PURCHASES**										
Armed Forces	65.5	19.1	26.8	.....	37.8	23.3	43.2	21.4	18.3	11.1
USDA	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Vet. Adm.	25.9	22.4	21.0	18.0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

**Basis 1,000 cases 24/303, season beginning year shown. Calendar year for exports. n.a. Not available.

GREEN BEAN PACKS IN THE U.S.

Thousands of Cases, basis 24 No. 303 Cans.

1926	4,157	1935	7,358	1944	20,307	1953	23,902	1962	32,601	1971	45,213
1927	4,924	1936	6,924	1945	19,534	1954	29,137	1963	34,049	1972	44,383
1928	6,377	1937	10,591	1946	20,077	1955	25,521	1964	33,087	1973	50,887
1929	8,839	1938	1.111	1947	13,296	1956	25,598	1965	41,024	1974	57,971
1930	8,222	1939	8,953	1948	15,477	1957	27,292	1966	36,564	1975	51,466
1931	5,943	1940	10,406	1949	22,142	1958	29,118	1967	48,150	1976	44,027
1932	4,191	1941	14,241	1950	23,212	1959	27,473	1968	47,136	1977	50,952
1933	5,910	1942	26,374	1951	20,797	1960	29,292	1969	42,481	1978	53,229
1934	6,292	1943	25,203	1952	16,848	1961	36,107	1970	43,189	1979	62,624

GREEN BEAN PACKS BY REGION*

Calendar Year. Thousands of Actual* Cases.

REGION*	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
East	10,147	n.a.	n.a.	6,625	7,925	5,753	5,267	5,986	4,539	4,962
Midwest	22,812	n.a.	n.a.	26,059	25,559	25,263	28,613	31,704	27,944	33,824
South	5,702	n.a.	n.a.	5,088	3,021	3,423	4,343	3,590	(c)	(c)
West	9,843	n.a.	n.a.	7,467	5,940	5,910	6,192	6,392	10,216	10,603
Tot. actual cses	48,504	55,865	49,904	45,240	42,446	40,348	44,415	47,673	42,698	49,389
Tot. basis 303's	53,229	62,624	54,769	49,797	46,335	44,227	49,566	53,229	46,915	54,008

GREEN BEAN PACKS BY SIZE OF CONTAINER

(Thousands of Actual Cases—Figures Rounded—Calendar Year)

Units per Case & Size of Cont.	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
24/8Z	3,557	4,125	3,667	2,763	3,176	3,149	3,473	2,575	2,425	2,720
24/300-303	34,161	37,393	34,967	32,703	30,432	28,302	29,685	33,980	31,431	36,770
24/2½	959	967	709	1,092	(b)	440	(b)	(b)	(b)	(b)
6/10	9,212	12,928	9,787	8,120	7,665	8,134	9,935	10,102	7,991	8,810
Misc. Tin & Gl	615	454	775	561	1,173	323	1,321	1,015	850	1,088
Total	48,504	55,865	49,904	45,240	42,446	40,348	44,415	47,673	42,698	49,389

GREEN BEAN PACKS BY STYLE AND QUALITY

(Thousands of Actual Cases—Figures Rounded—Calendar Year)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Whole	2,272	2,672	2,035	1,537	1,889	1,318	1,750	1,972	1,346	1,709
Fr. Style	11,488	12,171	10,951	9,401	10,495	9,590	9,761	10,577	9,977	11,742
Fancy Cut	23,392	28,192	25,368	22,786	20,532	19,309	22,279	24,753	22,862	26,592
Ex. Std. Cut	7,512	9,076	8,539	8,986	6,633	7,452	7,979	8,053	6,260	7,411
Std. cut	3,841	3,754	3,011	2,530	2,898	2,679	2,645	2,317	2,252	1,934
Total	48,504	55,865	49,904	45,240	42,446	40,348	44,415	47,673	42,698	49,389

WAX BEAN PACKS IN THE UNITED STATES

Compiled by Economics & Statistics Div., Nat'l. Food Processors Assn.

Thousands of Cases, basis 24 No. 303 Cans. To convert to 2's multiply by .822

1926	769	1935	1,379	1944	1,893	1953	3,683	1962	4,265	1971	4,797
1927	780	1936	1,164	1945	1,651	1954	3,887	1963	3,618	1972	3,173
1928	1,206	1937	1.672	1946	2,300	1955	2,992	1964	3,745	1973	4,115
1929	1,562	1938	220	1947	2,675	1956	3,660	1965	4,603	1974	4,348
1930	1,844	1939	140	1948	3,035	1957	4,628	1966	3,972	1975	3,924
1931	1,459	1940	1,548	1949	3,047	1958	3,117	1967	5,023	1976	3,394
1932	717	1941	2,061	1950	2,358	1959	3,426	1968	4,706	1977	3,541
1933	839	1942	2,650	1951	2,920	1960	3,862	1969	4,858	1978	3,892
1934	1,395	1943	2,751	1952	3,094	1961	4,056	1970	4,382	1979	3,657

WAX BEAN PACKS BY REGION*

Calendar year. Thousands of Actual* Cases.

REGION*	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
East	1,329	n.a.	n.a.	875	852	615	730	703	543	403
Midwest	1,929	n.a.	n.a.	1,608	1,088	1,110	1,282	1,037	889	1,185
South	.....	n.a.	n.a.	0	215	160	145	194	183	n.a.
West	215	n.a.	n.a.	166	(a)	(a)	(a)	(a)	(a)	n.a.
Tot Actual Cses	3,473	3,225	2,916	2,648	2,155	1,886	2,157	1,934	1,615	1,636
Tot Basis 303	3,892	3,657	3,384	3,012	2,496	2,279	2,523	2,274	1,935	1,943

*Regional tables were revised in 1985 Almanac to agree with new NFPA regional definitions (See beginning of this section VIII). (a) Included in South. (b) Included in Misc. (c) Included in West. n.a.-Not available.

WAX BEAN PACKS BY SIZE OF CONTAINER

(Thousands of Actual Cases—Figures Rounded—Calendar Year)

Units to Case & Size of Cont.	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
24/8Z	362	363	240	213	215	115	175	170	138	145
24/303	2,105	1,881	1,736	1,688	1,226	1,046	1,259	1,096	856	886
6/10	909	972	931	742	714	720	723	624	621	605
Misc. Tin & Gl ...	97	10	9	5	.....	4	.....	44	.....	.....
Total	3,473	3,225	2,916	2,648	2,155	1,885	2,157	1,934	1,615	1,636

WAX BEAN PACKS BY STYLE & QUALITY

(Thousands of Actual Cases—Figures Rounded—Calendar Year)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Whole	123	22	34	38	11	12	38	8	5	7
Fr. Style	203	234	169	131	102	70	98	110	89	14
Fancy Cut	2,024	2,119	1,771	1,686	1,403	1,044	1,313	1,277	1,022	1,189
Ex. Std. Cut	822	630	713	675	480	596	554	391	394	356
Std. Cut	300	221	229	118	159	164	153	148	104	70
Total	3,473	3,225	2,916	2,648	2,155	1,885	2,157	1,934	1,615	1,636

GREEN & WAX BEANS—CARRYOVER, PACK, STOCKS, SHIPMENTS

Source: U.S. Department of Commerce, Office of Domestic Commerce, Bureau of Census and the National Food Processors Association

(Thousands of Actual Cases—Figures Rounded. Season beginning year shown)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Carryover 7/1	4,976	6,102	9,913	14,012	11,071	7,460	3,945	6,894	9,805	8,476
Pack 7/1-11/1	49,871	55,808	52,221	45,342	43,168	41,584	45,220	48,274	42,624	47,046
Pack 11/1-1/1	768	912	600	176	73	185	242	.....	266	28
Pack 1/1-7/1	2,371	1,289	2,369	1,361	465	1,110	1,333	1,423	3,951	P
Canner Supply ...	57,985	64,110	65,103	60,892	54,776	50,339	50,740	56,591	56,646	†61,218
CANNER SHIPMENTS										
7/1 to 11/1.......	19,126	19,568	17,926	16,638	15,246	17,297	15,875	17,196	17,782	17,365
11/1 to 1/1.......	8,501	8,150	8,891	8,345	8,537	7,327	7,171	7,662	8,171	8,715
January	4,300	5,364	4,361	4,950	4,414	4,454	4,772	4,140	5,478	5,116
February	4,959	4,700	5,029	4,101	4,195	4,258	4,308	3,758	4,042	5,108
March...........	4,783	4,578	4,498	4,970	4,207	3,459	3,794	3,991	3,676	4,441
April............	(a)	(a)	4,009	3,649	3,666	3,475	3,212	3,391	3,455	3,513
May.............	7,699	8,773	3,796	4,425	4,094	3,451	3,182	3,763	3,128	3,251
June	2,516	3,064	2,579	2,743	2,957	2,673	1,531	2,885	2,438	P
7/1 to 7/1........	51,884	54,198	51,090	49,821	47,316	46,394	43,846	46,785	48,170	P
CANNER STOCKS*										
November 1......	35,720	42,341	44,207	42,717	38,993	31,747	33,290	37,972	34,647	38,157
January 1	27,987	35,103	35,917	34,548	30,528	24,605	26,361	30,310	26,743	29,470
February	23,688	29,739	31,555	29,597	26,114	20,151	21,589	26,170	21,264	24,353
March...........	18,729	25,039	26,526	25,497	21,919	15,893	17,281	22,412	17,222	19,246
April............	13,946	20,460	22,028	20,526	17,712	12,434	13,487	18,421	13,547	14,804
May.............	n.a.	n.a.	18,018	16,878	14,047	8,959	10,275	15,031	10,092	11,291
June	7,477	11,687	14,222	12,543	9,952	5,724	7,220	11,268	7,045	8,231
July.............	6,102	9,913	14,012	11,071	7,460	3,945	6,894	9,805	8,476	P
EXPORTS**	1,038	890	809	876	1,047	651	663	635	718	597
GOV. PURCHASES**										
Armed Forces....	370.6	367.0	450.7	340.4	357.7	421.7	263.9	399.3	233.1	305.5
USDA...........	81.2	1,289.4	966.9	1,121.9	1,096.9	913.8	1,099.1	882	988.7	869.5
Vet. Adm.	105.2	80.4	69.5	72.7	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

*Figures reflect Spring pack as reported. n.a. - Not available. (a) Included in May.

† Supply to 5/1/88. P-Not available at press time 8/15/88.

**Basis 1,000 24/303. Season beginning year shown. Calendar year for Exports.

FRESH LIMA BEAN PACKS IN THE UNITED STATES

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn.

Thousands of Cases, basis No. 303 Cans. To convert to 2's, multiply by .822

1934	1,609	1942	3,083	1950	3,940	1958	3,005	1966	3,531	1974	2,523
1935	1,447	1943	2,292	1951	3,599	1959	3,282	1967	3,963	1975	3,729
1936	1,892	1944	2,009	1952	2,826	1960	2,754	1968	3,818	1976	2,812
1937	1,845	1945	1,928	1953	3,764	1961	4,250	1969	3,596	1977	2,657
1938	2,343	1946	2,131	1954	4,294	1962	3,615	1970	2,776	1978	3,356
1939	2,441	1947	2,689	1955	3,424	1963	3,089	1971	3,116	1979	3,061
1940	2,430	1948	3,021	1956	4,142	1964	2,213	1972	2,116	1980	2,833
1941	2,912	1949	5,332	1957	3,071	1965	2,981	1973	3,150	1981	2,602

FRESH LIMA BEAN PACKS BY SIZE OF CONTAINER AND REGION*

(Thousands of Actual Cases—Figures Rounded, Season beginning Year Shown)

Units to Case & Size of Container	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
24/8Z	579	530	621	(a)	(a)	(a)	(a)	(a)	(a)	(a)
24/300-303	2,171	1,975	1,791	1,711	1,356	1,349	1,454	1,221	1,150	842
6/10	547	502	445	398	452	468	412	324	248	185
Misc. Tin & Gl	.....	.....	2	478	351	438	375	424	352	359
East[1]	888	655	652	571	593	(a)	(a)	(a)	(a)	(a)
Midwest[2]	(a)	(a)	(a)	(a)	615	382	526	523	486	497
Other[3]	2,410	2,352	2,205	2,016	952	1,873	1,715	1,446	1,265	889
Tot. Act. Cs.	3,298	3,007	2,858	2,587	2,160	2,255	2,241	1,969	1,751	1,386
Tot. 24/303	3,356	3,061	2,833	2,602	2,275	2,338	2,316	1,966	1,738	1,329

*Regional figures revised in 1985 Almanac. [1] Del., Md., N.Y., Pa. thru 1981. [2] Wis., Ill., Minn. thru 1977. [3] Ark., Ca., Okla., Tenn., Texas thru 1977, thereafter includes all regions not shown. For description of all regions 1982 and after see Regional Definitions in box at beginning of this Section VIII.

FRESH LIMA BEAN PACKS BY STYLE

(Thousands of Actual Cases—Figures Rounded, Season Beginning Year Shown)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Green Limas				*— Data discontinued in 1984 —*						
Midget & Tiny	206	133	185	228	187	170	222	209	192	n.a.
Small	609	484	422	551	497	469	446	452	412	n.a.
Medium	584	521	486	327	432	477	474	465	484	n.a.
Mixed	1,937	1,368	1,374	1,939	1,493	1,447	1,265	891	1,100	n.a.
Green & White	81	133	41	70	192	192	65	70	66	n.a.
Fordhooks	215	172	161	182	205	102	114	72	0	n.a.
Total	3,631	2,811	2,669	3,298	3,007	2,858	2,587	2,160	2,255	2,241

†LIMA BEANS CARRYOVER—PACK—STOCKS—SHIPMENTS

(Thousands of Actual Cases—Figures Rounded. Season beginning year shown)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Carryover 6/1	510	819	869	841	852	537	474	536	654	714
Pack	3,298	3,007	2,858	2,587	2,160	2,255	2,241	1,969	1,751	1,386
Canner Supply	3,808	3,826	3,727	3,428	3,012	2,792	2,715	2,505	2,404	2,099
CANNER SHIPMENTS										
June 1 to Nov. 1	1,179	1,388	1,239	1,031	1,003	1,017	931	751	762	649
Nov. 1 to Jan. 1	458	424	422	424	488	397	341	323	212	211
Jan. 1 to Mar. 1	} 1,352	1,146	1,224	1,121	983	905	476	361	336	362
Mar. 1 to June 1							430	416	381	416
June 1 to June 1	2,989	2,958	2,885	2,576	2,474	2,319	2,178	1,851	1,691	1,638
CANNER STOCKS										
November 1	2,629	2,439	2,487	2,396	2,008	1,775	1,784	1,754	1,642	1,450
January 1	2,171	2,015	2,065	1,973	1,520	1,379	1,442	1,431	1,430	1,239
March 1	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	966	1,070	1,095	878
April 1	1,288	1,289	1,244	1,234	882	794	822	927	985	711
June 1	819	869	841	852	537	474	536	654	714	462
GOV. PURCHASES**										
Armed Forces	85.7	74.8	91.5	91.9	72.7	81.7	55.1	73.1	32.5	37.0
U.S.D.A.	0	0	....	....	....	28.5	21.4	25.0	7.5	n.a.
Vet. Admin.	19.4	10.0	6.4	7.6	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

**Basis 1,000 cases 24/303's, Pack year. P-Not available at press time 8/15/88. n.a.-Not available. (a) Included in Misc. or Other. † Entire table revised with The 1987 Almanac to define pack year beginning June 1 rather than August 1 as in previous Almanacs.

BEET PACKS IN THE UNITED STATES*

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn.

Thousands of Cases, basis 24 No. 303 Cans. To convert to 2's, multiply by .822

1909	264	1930	3,566	1940	4,538	1950	9,947	1960	8,847	1970	11,310
1914	525	1931	1,969	1941	8,986	1951	9,189	1961	10,646	1971	10,430
1919	1,219	1932	1,274	1942	8,181	1952	8,165	1962	12,594	1972	10,025
1921	815	1933	1,483	1943	7,392	1953	10,471	1963	12,665	1973	10,881
1923	1,136	1934	2,679	1944	9,624	1954	8,615	1964	10,709	1974	15,084
1925	2,532	1935	3,003	1945	11,162	1955	9,198	1965	10,007	1975	13,130
1926	1,505	1936	3,038	1946	8,593	1956	11,822	1966	11,382	1976	9,201
1927	1,378	1937	3,917	1947	4,126	1957	10,194	1967	11,785	1977	11,289
1928	1,578	1938	3,875	1948	5,421	1958	9,598	1968	14,597	1978	12,973
1929	2,445	1939	2,771	1949	8,955	1959	9.651	1969	11,339	1979	15,103

BEET PACKS BY REGION*

Thousands of Actual* Cases. Figures Rounded

REGION	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
East[1]	4,195	4,317	3,561	3,136	3,524	(b)	(b)	(b)	(b)	(b)
Midwest[2]	5,995	6,714	4,710	3,885	4,898	4,307	4,263	3,835	4,614	6,502
South	.....	.....	.....	(a)	(a)	(a)	(a)	(a)	(a)	(a)
West[3]	2,611	3,137	2,154	2,088	1,814	3,857	4,240	4,872	3,995	4,679
Tot. Act. Cs.	12,801	14,168	10,425	9,110	10,236	8,163	8,503	8,707	8,609	11,181
Tot. 24/303	12,973	15,103	10,878	9,657	10,868	9,039	9,292	9,386	9,042	12,127

BEET PACKS BY SIZE OF CONTAINER AND STYLE*

(Thousands of Actual Cases—Figures rounded)

Units per Case & Size of Container	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
24/8 oz	1,526	1,417	1,000	1,052	1,199	787	893	986	1,028	1,148
12/16 oz.	2,373	2,331	1,637	1,415	1,313	1,019	1,377	1,255	1,420	1,619
24/300-303	5,516	5,923	4,971	3,811	4,723	3,523	3,169	3,603	3,529	4,723
6/10	3,386	4,497	2,817	2,832	3,001	2,834	3,064	2,863	2,633	3,692
Misc. Tin & Gl.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	12,801	14,168	10,425	9,110	10,236	8,163	8,503	8,707	8,609	11,181
BY STYLE										
Whole	2,055	1,978	1,594	1,355	1,515	1,264	1,130	1,205	1,304	1,403
Cuts & Sections	991	1,514	927	649	670	437	547	625	520	831
Sliced & Salad	8,215	8,595	6,616	5,601	6,773	5,573	5,868	5,773	5,856	7,570
Diced	993	1,120	813	879	757	563	567	639	558	810
French Style	454	798	382	535	427	269	331	374	246	359
Irreg. Pieces	93	162	93	91	93	57	59	91	126	207

CARROT PACKS IN THE UNITED STATES

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn.

Thousands of Cases, basis 24 No. 303 Cans. To convert to 2's multiply by .82
Includes tin & glass. 12 months beginning March 1 of year stated, July 1 beginning 1965.

1931	303	1941	2,511	1948	3,738	1955	2,237	1962	5,085	1969	5,463
1933	734	1942	2,785	1949	2,184	1956	3,752	1963	5,100	1970	5,388
1935	1,129	1943	2,908	1950	2,280	1957	2,912	1964	4,471	1971	5,310
1937	1,158	1944	3,820	1951	2,656	1958	3,858	1965	4,516	1972	5,529
1938	858	1945	4,939	1952	3,382	1959	3,504	1966	7,064	1973	6,391
1939	1,476	1946	4,572	1953	3,351	1960	5,043	1967	5,546	1974	6,914
1940	1,751	1947	1,191	1954	2,557	1961	3,939	1968	5,122	1975	4,717
										1976	5,221
										1977	6,586

CARROT PACKS BY REGION*

Thousands of Actual* Cases. Figures Rounded

REGION*	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
East[1]	1,258	1,307	828	1,093	992	(b)	(b)	n.a.	n.a.	n.a.
Midwest[2]	3,255	3,511	2,410	2,515	3,028	2,156	2,296	2,393	2,308	2,909
South	(a)	(a)	(a)	(a)	(a)	539	735	n.a.	n.a.	n.a.
West[3]	804	1,531	545	913	1,082	1,344	1,399	n.a.	n.a.	n.a.
Tot. Act. Cs.	5,317	6,349	3,783	4,522	5,102	4,039	4,431	3,892	3,756	4,470
Tot. 24/303	6,250	7,267	4,365	5,251	5,932	4,695	5,100	4,486	4,344	5,196

*12 months beginning July 1 of year stated. Includes Tin and Glass. All region figures revised in 1985 Almanac. Beet packs include pickled, spiced and harvard. [1]Del., N.Y., Pa. thru 1980. [2]Ind., Mich., Tex., Wis. thru 1980. [3]Cal., Col., Ore., Utah, Wash. thru 1980. All figures 1981 and thereafter comply with NFPA "Regional Definitions" at beginning of this Section VIII. (a) In Midwest. (b) In West. n.a.-Not available.

CARROT PACKS BY SIZE OF CONTAINER AND STYLE*

(Thousands of Actual Cases—Figures Rounded)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
24/8 oz	600	913	428	590	680	(a)	546	474	428	524
24/303 & 300.....	2,743	3,239	2,088	2,302	2,561	2,050	2,384	2,098	2,052	2,373
6/10.............	1,974	2,196	1,267	1,630	1,861	1,451	1,500	1,321	1,276	1,573
Misc.............	.....	.....	.....	281	.....	538	.....	.....	.....	.....
Total	5,317	6,349	3,783	4,522	5,102	4,039	4,431	3,892	3,756	4,470
BY STYLE										
Whole	717	752	510	514	504	n.a.	805	458	441	563
Cut & Sections ..	67	66	25	10	22	n.a.	17	18	n.a.	n.a.
Sliced	3,600	4,425	2,695	3,102	3,716	n.a.	2,887	2,714	2,752	3,296
Diced............	821	1,008	490	779	(a)	n.a.	637	553	499	534
Shoestring	91	71	50	102	77	n.a.	46	84	42	n.a.
Irreg. Pieces	22	26	12	14	782	n.a.	39	65	n.a.	19

*Includes tin and glass. 12 months beginning July 1 of year stated. (a) Included in "Misc." or "Irreg. Pieces". n.a. - Not available.

CORN PACKS IN THE UNITED STATES

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn.

Thousands of Cases, basis 24 No. 303 Cans. To convert to 2's, multiply by .822

1905....	15,883	1917....	13,180	1929....	21,334	1941....	31,853	1953....	37,798	1965....	39,116
1906....	11,147	1918....	14,301	1930....	19,144	1942....	39,184	1954....	37,355	1966....	45,525
1907.....	8,118	1919....	16,531	1931....	23,686	1943....	35,081	1955....	29,372	1967....	49,268
1908.....	8,276	1920....	18,349	1932....	11,416	1944....	30,609	1956....	43,515	1968....	59,278
1909.....	7,060	1921....	10,788	1933....	12,435	1945....	34,450	1957....	36,455	1969....	49,387
1910....	12,277	1922....	13,931	1934....	13,747	1946....	37,760	1958....	33,019	1970....	46,995
1911....	17,447	1923....	17,209	1935....	26,195	1947....	31,829	1959....	41,232	1971....	53,757
1912....	15,993	1924....	14,800	1936....	17,838	1948....	38,409	1960....	35,276	1972....	52,957
1913.....	8,885	1925....	29,670	1937....	28,720	1949....	36,350	1961....	46,167	1973....	55,228
1914....	11,943	1926....	23,264	1938....	24,973	1950....	22,254	1962....	45,744	1974....	46,430
1915....	12,351	1927....	12,623	1939....	17,772	1951....	31,203	1963....	44,152	1975....	57,458
1916....	11,139	1928....	17,686	1940....	18,939	1952....	39,441	1964....	37,551	1976....	54,694
										1977....	56,300
										1978....	57,907

CORN PACKS BY AREA*

Thousands of Actual Cases, figures rounded.

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
East†	2,902	2,775	2,373	2,586	3,122	2,858	3,062	2,430	2,304	2,713
Midwest†........	44,227	45,200	38,256	45,096	45,137	39,788	45,810	47,292	44,209	46,196
West†...........	9,783	10,861	9,627	9,879	11,197	8,173	7,330	5,468	8,194	10,131
Total Golden.....	56,913	58,836	50,256	57,561	59,456	50,818	56,202	55,190	54,707	59,041
Total White......	1,154	1,343	743	839	1,026	540	1,079	1,061	888	988
Tot Pack A/C	58,066	60,179	51,600	58,400	60,482	51,359	57,281	56,252	55,595	60,029
Tot Basis 24/303 ..	57,907	60,022	50,574	57,949	60,522	51,595	56,879	55,729	55,090	59,177
Tot Basis 24/2 ...	47,484	49,218	41,572	47,634	49,749	42,411	46,755	45,809	45,284	48,643

† Golden only. *Revised with 1982 Almanac. No breakouts by 303 nor of white available since 1977. Report does not include field corn, corn on the cob, nor succotash. See definition of Regions beginning of this Section VIII.

CORN PACKS BY SIZE OF CONTAINER†

(Thousand of Actual Cases—Figures Rounded)

Size of Container	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
24/8z Sh & Tl....	5,207	6,241	5,251	5,723	6,884	4,708	5,524	5,089	4,519	5,064
24/12z Vac (b) ...	(a)	(a)	(a)	(a)	(a)	8,415	(a)	(a)	(a)	(a)
24/303 & 300.....	38,165	37,043	31,836	37,777	36,910	32,315	35,915	35,847	37,295	39,948
6/10*............	5,692	6,686	5,158	5,608	7,271	5,780	6,783	6,175	5,787	6,014
Misc.............	9,002	10,209	8,754	9,292	9,417	141	9,059	9,141	7,994	9,003
Total	58,066	60,179	51,000	58,400	60,482	51,359	57,281	56,252	55,595	60,029

† White and Golden. *Includes 6/75z (603x600). (a) Included with misc. (b) Beginning 1983 includes 24/2 vac.

CORN PACK BY QUALITY AND STYLE

(Thousands of Actual Cases—Figures Rounded)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
GOLDEN										
Whole Kernel										
Fancy	34,493	34,191	30,079	35,277	37,469	30,321	34,541	34,821	34,863	37,668
Ex. Std.	6,105	6,953	6.210	5,893	6,266	7,356	5,967	6,195	5,598	6,925
Standard	1,240	966	814	716	725	776	1,042	513	530	436
Total	41,838	42,110	37,103	41,886	44,460	38,454	41,549	41,529	40,991	45,029
Cream Style										
Fancy	13,273	14,270	11,328	13,892	13,343	10,424	13,335	12,271	12,414	12,987
Ex. Std.	1,666	2,119	1,665	1,672	1,440	1,731	1,240	1,311	1,209	955
Standard	135	337	160	111	213	210	77	79	93	70
Total	15,075	16,726	13,154	15,675	14,996	12,364	14,652	13,661	13,716	14,012
WHITE										
Whole Kernel										
Fancy	n.a.	n.a.	n.a.	n.a.	673	368	†1,042	717	n.a.	n.a.
Ex. Std.	n.a.	n.a.	n.a.	n.a.	3	15	†30	n.a.	n.a.	n.a.
Standard	n.a.	n.a.	n.a.	n.a.	3	1	†7	n.a.	n.a.	n.a.
Total	600	873	n.a.	n.a.	679	385	674	726	731	n.a.
Cream Style										
Fancy	n.a.	n.a.	n.a.	n.a.	347	152	*	334	n.a.	n.a.
Ex. Std.	n.a.	n.a.	n.a.	n.a.	.....	4	*	n.a.	n.a.	n.a.
Standard	n.a.	n.a.	n.a.	n.a.	(a)	0	*	n.a.	n.a.	n.a.
Total	554	470	n.a.	n.a.	348	156	405	335	157	n.a.
Total All	58,066	60,179	51,000	58,400	60,482	51,359	57,281	56,252	55,595	60,029
Total Fancy	n.a.	n.a.	n.a.	n.a.	51,832	41,265	48,918	48,143	48,140	n.a.
Total Ex. Std.	n.a.	n.a.	n.a.	n.a.	7,709	9,107	7,237	7,510	6,829	n.a.
Total Std.	n.a.	n.a.	n.a.	n.a.	941	987	1,126	598	626	n.a.
Total W.K.	42,438	42,983	n.a.	n.a.	45,139	38,838	42,223	42,255	41,722	n.a.
Total C.S.	15,629	17,197	n.a.	n.a.	15,344	12,521	15,057	13,996	13,873	n.a.
Total White	1,154	1,343	743	839	1,026	541	1,079	1,061	888	988
Total Golden	56,913	58.836	50,256	57,561	59,456	50,818	56,201	55,190	54,707	59,041

n.a.-Not available. (a) Less than 500 cases. † Includes white cream style. *Included in white whole kernel pack.

See Sample Pages of
The New 12th Edition (1988-89) of
THE DIRECTORY
of the Canning, Freezing, Preserving Industries
at pages 645 - 650 this Almanac

SWEET CORN—CARRYOVER, PACK, STOCKS, SHIPMENTS

(Thousands of Actual Cases—Figures Rounded, Season beginning year shown)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Carryover 7/1	8,100	10,188	9,966	5,189	7,731	11,492	8,464	11,261	9,480	6,791
Pack	58,066	60,179	51,000	58,400	60,482	51,359	57,281	56,252	55,595	60,029
Canner Supply	66,166	70,367	60,966	63,589	68,214	62,851	65,745	67,513	65,075	66,820
CANNER SHIPMENTS										
July 1 to Nov. 1	17,617	18,348	18,685	16,400	18,421	21,120	17,578	19,695	21,609	20,032
November	5,299	5,116	5,031	5,601	4,697	4,110	4,866	5,220	5,691	6,029
December	4,653	5,249	5,079	5,240	5,102	4,153	4,246	4,345	4,623	4,365
January	4,714	6,032	5,226	5,194	4,821	5,066	6,023	6,367	6,620	5,692
February	5,893	5,742	5,270	5,615	4,933	4,389	5,233	5,578	5,048	6,135
March	5,686	5,658	6,610	5,806	5,678	4,108	4,963	5,297	4,543	5,726
April	(a)	(a)	4,528	4,508	4,448	4,566	3,975	4,145	4,272	4,229
May	9,314	10,827	3,619	4,922	5,132	4,168	4,458	4,539	3,443	4,271
June	2,802	3,429	1,729	2,571	3,488	2,709	3,143	2,847	2,433	4,476
July 1 ~~to July 1~~	55,978	60,401	55,777	55,858	56,721	54,389	54,484	58,033	58,284	60,955
CANNER STOCKS										
November 1	48,549	52,020	42,281	47,189	49,792	41,731	48,168	47,818	43,466	46,788
December 1	43,249	46,903	37,250	41,588	45,095	37,622	43,302	42,598	37,775	40,759
January 1	38,596	41,655	32,171	36,348	39,993	33,469	39,056	38,253	33,152	36,394
February 1	33,883	35,623	26,945	31,154	35,172	28,403	33,033	31,886	26,532	30,702
March 1	27,990	29,881	21,676	25,539	30,239	24,014	27,800	26,308	21,483	24,567
April 1	22,304	24,222	15,065	19,732	24,561	19,906	22,837	21,011	16,940	18,841
May 1	n.a.	n.a.	10,538	15,224	20,113	15,340	18,862	16,866	12,668	14,612
June 1	12,990	13,395	6,918	10,302	14,981	11,171	14,405	12,327	9,224	10,340
July 1	10,188	9,966	5,189	7,731	11,492	8,464	11,261	9,480	6,791	5,865
EXPORTS**	3,537	4,394	5,105	6,543	5,716	6,065	5,257	5,608	7,037	8,351
GOV. PURCHASES**										
Armed Forces	421.6	465.1	402.2	488.2	389.9	278.1	423.7	263.2	357.5	420.4
U.S.D.A.	1,118.8	2,087.5[1]	972.5	61.2	464.3	735.9	1,146.4	1,389.7	920.0	703.7
Vet Adm.	57.0	46.1	55.9	[1]44.1	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

(a) Included in May. n.a.-Not available. P- Not available at press time. **Basis 1,000 cases 24/303, season beginning year shown. Calendar year for Exports. [1]Estimated requirements.

GREEN PEA PACKS IN THE UNITED STATES

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn.

Thousands of Cases, basis 24 No. 303 Cans.

1899	3,130	1918	13,497	1930	26,883	1942	43,012	1954	29,220	1966	31,856
1904	5,727	1919	10,596	1931	16,209	1943	42,763	1955	33,399	1967	37,692
1908	6,804	1920	15,027	1932	12,648	1944	38,460	1956	35,682	1968	36,231
1909	6,134	1921	10,013	1933	15,729	1945	48,372	1957	41,290	1969	32,071
1910	5,303	1922	15,911	1934	19,205	1946	49,938	1958	36,035	1970	28,697
1911	5,529	1923	17,017	1935	30,132	1947	40,405	1959	31,309	1971	33,197
1912	8,915	1924	23,564	1936	20,194	1948	28,494	1960	28,714	1972	33,081
1913	10,699	1925	21,736	1937	28,630	1949	28,631	1961	32,399	1973	29,558
1914	10,793	1926	21,605	1938	31,059	1950	35,479	1962	33,725	1974	33,120
1915	11,312	1927	15,782	1939	19,610	1951	41,378	1963	33,588	1975	35,172
1916	8,157	1928	21,895	1940	30,739	1952	32,342	1964	30,045	1976	31,927
1917	11,991	1929	22,607	1941	35,043	1953	34,206	1965	37,585	1977	30,238

GREEN PEA PACKS BY REGION* AND VARIETY

SWEET &				(Thousand of Actual* Cases)						
ALSWEET*	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
East	1,402	1,994	5,376	2,113	2,571	2,202	2,885	3,194	2,189	2,558
Mid-West	14,986	23,668	18,533	16,435	16,217	13,959	16,023	25,865	18,869	20,655
West	3,196	2,922	**	2,736	**	**	**	**	**	**
Tot. Sweet	19,584	28,584	23,909	21,284	18,788	16,161	18,908	n.a.	n.a.	n.a.
Tot. Alaska	5,841	7,648	6,208	6,648	5,728	4,401	4,367	n.a.	n.a.	n.a.
Tot. Actual Cs.	25,426	36,232	30,117	27,932	24,516	20,562	23,276	29,059	21,058	23,213
Tot. basis 303's	25,269	36,492	30,056	27,296	24,790	20,827	23,312	29,306	20,919	23,057
Tot. basis 2's	20,771	29,996	24,706	22,437	20,377	17,120	19,162	24,090	17,195	18,953

*Table revised 1985 Almanac. All regional figures in Actual Cases and include Alaska beginning 1985. See NFPA Regional Definitions at beginning of this Section VIII. **Included in East.

GREEN PEA PACKS BY SIZE OF CONTAINER & QUALITY

(Thousands of Actual Cases—Figures Rounded)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
QUALITY BY CONTAINER SIZE—all varieties										
24/8Z Total	3,915	5,360	5,074	4,472	3,390	2,824	3,459	4,169	2,894	2,934
Fancy	3,536	5,049	4,827	4,194	3,213	2,694	3,324	3,708	2,788	2,843
Ex. Std.	316	269	232	255	148	106	120	[1]189	93	n.a.
Std.	63	42	15	24	29	24	14	[1]36	13	n.a.
24/300-303 Tot	18,701	26,259	21,172	20,990	17,992	15,102	17,057	21,240	16,126	18,237
Fancy	12,269	18,338	14,317	14,174	11,736	10,643	12,279	15,493	11,713	13,976
Ex. Std.	5,197	6,588	6,038	5,901	5,709	4,012	4,339	5,205	4,177	4,096
Std.	1,236	1,334	818	915	546	446	439	542	236	164
6/10 Tot.	2,809	4,612	3,870	2,470	3,085	2,628	2,758	3,650	2,037	2,041
Fancy	715	1,344	958	803	925	908	917	1,256	983	755
Ex. Std.	1,736	2,781	2,511	1,443	1,928	1,594	1,757	[1]1,804	995	1,245
Std.	358	487	401	225	232	126	84	[1]157	59	41
Total All	25,425	36,232	30,117	27,932	24,516	20,562	23,276	29,059	21,058	23,213
Tot. Fancy*	16,519	24,730	20,102	19,170	15,924	14,252	16,522	20,458	15,484	17,575
Tot. Ex. Std.*	7,249	9,639	8,781	7,599	7,785	5,712	6,216	7,646	5,265	5,427
Tot. Std.*	1,657	1,863	1,234	1,163	807	598	537	955	308	211

*May include small pack of misc. tin and glass sizes not included in above container size breakdown.

[1] Midwest only.

GREEN PEA PACKS BY VARIETY, QUALITY & SIEVE SIZE

(Thousands of Actual Cases—Figures Rounded)

	1978	1979	1980	1981	1982	1983	1984	(a)1985	(a)1986	(a)1987
QUALITY BY VARIETY										
ALASKA										
Fancy	3,686	5,011	4,332	4,779	3,942	2,827	3,346	n.a.	n.a.	n.a.
Ex. Std.	1,693	2,179	1,704	1,697	1,616	1,445	960	n.a.	n.a.	n.a.
Std.	463	458	172	172	171	130	61	n.a.	n.a.	n.a.
Total Alaska	5,841	7,648	6,208	6,648	5,728	4,401	4,367	n.a.	n.a.	n.a.
SWEET										
Fancy	12,834	19,719	15,770	14,391	11,982	11,425	13,176	n.a.	n.a.	n.a.
Ex. Std.	5,556	7,460	7,077	5,902	6,170	4,267	5,256	n.a.	n.a.	n.a.
Std.	1,194	1,405	1,062	991	636	468	476	n.a.	n.a.	n.a.
Total Sweet	19.584	28,584	23,910	21,284	18,788	16,161	18,908	n.a.	n.a.	n.a.
SIEVE SIZE BY VARIETY										
ALASKA										
1 Sieve	81	91	84	167	214	218	(a)	(a)	(a)	(a)
2 Sieve	2,763	3,433	3,042	3,748	2,524	1,939	(a)	(a)	(a)	(a)
3 Sieve	2,040	2,664	1,976	1,451	1,680	954	(a)	(a)	(a)	(a)
4 Sieve & Up	942	1,442	1,056	1,049	1,076	1,181	(a)	(a)	(a)	(a)
Mixed	16	17	50	233	233	109	(a)	(a)	(a)	(a)
SWEET & ALSW.										
1 and 2 Sieve	712	1,668	1,077	1,288	2,712	1,118	1,465	6,246	5,155	n.a.
3 Sieve	960	1,461	1,318	1,094	1,024	894	1,152	2,924	1,856	1,708
4 Sieve	1,719	2,432	2,206	1,830	1,913	1,868	2,177	(b)5,402	2,249	2,957
5 Sieve & Up	1,034	1,360	1,943	1,773	1,171	672	1,252	(b)	901	n.a.
Mixed	15,160	21,662	17,366	15,299	11,968	11,610	12,863	14.487	10,896	12,921

(a) Alaska included with sweet & alsweet. (b) 5 sieve & up included with 4 sieve. n.a. - Not available.

PICK-UP GUARDS — PEAS
FOR WINDROWERS PEA HARVESTERS
FLOATING CUTTERBARS
Manufactured and Unconditionally Guaranteed for over seventy years by
Gaterman MFG. CO., INC.
Phone 414 682-6108
P.O. Box 567, MANITOWOC, WI 54220

CANNED GREEN PEAS CARRYOVER—PACK—STOCKS—SHIPMENTS

(Thousands of Actual Cases—Figures Rounded—Season beginning year shown)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Carryover June 1	4,701	1,787	6,095	5,979	6,178	3,530	1,806	3,251	7,281	4,474
Pack	25,426	36,232	30,117	27,932	24,516	20,562	23,276	29,059	21,058	23,213
Canner Supply	30,127	38,019	36,212	33,911	30,694	24,093	25,082	32,310	28,338	27,687
CANNER SHIPMENTS										
6/1 to 9/1	7,541	8,057	6,152	4,859	5,110	5,362	5,551	5,458	5,061	5,070
September	3,005	2,927	2.828	2,892	2,889	2,988	2,269	2,195	2,649	2,314
October	2,518	2,723	2,958	2,504	2,753	2,401	2,510	3,034	2,892	2,424
November	2,648	2,717	2,908	2,745	2,789	1,848	2,321	1,693	2,401	2,618
December	2,706	2,400	2,671	2,525	2,288	1,559	1,214	2,541	1,816	2,024
January	2,056	2,665	2,424	2,254	2,298	2,256	2,044	2,461	2,613	2,093
February	2,469	2,524	2,369	2,520	2,485	2,167	2,014	1,836	1,884	1,993
March	2,413	2,768	2,862	2,639	2,427	1,409	1,472	2,071	1,704	2,184
April	(a)	(a)	2,326	2,356	2,058	1,244	1,216	1,938	1,615	1,376
May	2,985	5,134	3,003	2,439	2,067	1,052	1,220	1,800	1,228	1,572
6/1 to 6/1	28,340	31,924	30,233	27,733	27,164	22.286	21,831	25,029	23,864	23,670
CANNER STOCKS										
September 1	22,586	29,962	30,060	29,052	25,584	18,731	19,531	26,852	23,277	22,617
October 1	19,581	27,035	27,232	26,160	22,696	15,743	17,262	24,657	20,628	20,303
November 1	17,063	24,311	24,273	23,656	19,943	13,342	14,752	21,620	17,736	17,878
December 1	14,416	21,594	21,365	20,911	17,153	11,494	12,431	19,927	15.335	15,260
January 1	11,709	19,186	18,694	18,386	14,865	9,935	11,217	17,386	13,519	13,236
February 1	9,654	16,521	16,539	16,132	12,568	7,678	9,172	14,924	10,905	11,142
March 1	7,184	13,997	14,170	13,612	10,082	5,511	7,159	13,089	9,021	9,149
April 1	4,772	11,229	11,307	10,973	7,655	4,102	5,687	11,018	7,317	6,965
May 1	n.a.	n.a.	8,982	8,617	5,597	2,858	4,471	9,080	5,702	5,589
June 1	1,787	6,095	5,979	6,178	3,530	1,806	3,251	7,281	4,474	4,017
EXPORTS**	282	217	322	284	262	217	176	132	144	145
GOV. PURCHASES**										
Armed Forces	112.0	211.3	201.9	191.2	159.4	226.3	240.8	162.3	83.4	141.0
U.S.D.A.	794.3	894.6	934.3	541.7	714.3	535.7	60.2	588.8	622.8	499.2
Vet. Adm.	64.8	47.8	45.0	[1]44.8	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

**Basis 1,000 24/303's. Calendar year for Exports. (a) Included in May. n.a. - Not available. P-Not available at press time. [1]July 1 to Mar. 31.

PACKS OF CANNED FRESH FIELD PEAS

Thousands of Actual Cases, all size cans

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982D
Blackeye	622	737	618	528	516	595	1,415	444	992	559
Field	671	215	224	389	342	267	378	312	493	325
Cream	389	345	116	201	240	309	121	123	273	183
Crowder	233	353	144	125	163	231	162	161	289	150
Purple Hull	712	952	735	539	793	810	376	805	691	691
Total	2,628	2,603	1,837	1,783	2,053	2,212	2,452	1,845	2,738	1,908
Tot. Basis 24/303	2,817	2,765	1,995	1,875	2,223	2,364	2,542	1,965	2,895	1,998

D - Reports discontinued to avoid disclosure.

PUMPKIN AND SQUASH PACKS BY SIZE OF CONTAINER AND AREA

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn.

(Thousands of Actual Cases—Figures Rounded)

Units per Case & Size of Cont'nr	1973	1974	1975	1976	1977	1978	1979	1980	1981	D1982
*24/2,303 & 300	1,329	1,350	1,496	1,670	1,005	1,101	1,320	1,286	1,280	1,377
24/2½	1,174	975	1,514	1,467	671	864	1,032	1,018	395	1,129
*6/10	765	703	1,006	762	474	446	524	406	1,396	636
Misc. Tin & Gl.	4	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mid-West	2,140	1,553	2,935	2,879	1,621	1,943	2,160	2,052	2,305	2,583
Other States	1,132	1,475	1,080	1,019	529	468	717	658	765	559
Total	3,272	3,028	4,015	3,898	2,151	2,411	2,877	2,710	3,070	3,142
Tot. Bas. 303's	4,632	4,214	5,805	5,500	2,962	3,353	3,997	3,744	3,975	4,404

*2's included with 10's beginning 1981. D - Reports discontinued in 1983 to avoid disclosure..

CANNED WHITE POTATO PACKS IN THE U.S.

Compiled by Economics & Statistics Div., Nat'l. Food Processors Assn.

(Thousands of Actual Cases - April 1 of year shown to March 31 following year)

1946	591	1952	2,719	1958	3,947	1964	3,507	1970	5,890	1976	5,315
1947	883	1953	3,096	1959	3,405	1965	4,550	1971	7,067	1977	5,960
1948	1,559	1954	1,936	1960	4,010	1966	4,737	1972	4,236	1978	5,648
1949	1,471	1955	3,149	1961	4,302	1967	4,180	1973	4,895	1979	5,706
1950	1,535	1956	3,346	1962	3,440	1968	5,075	1974	6,990	1980	5,031
1951	1,268	1957	3,746	1963	3,298	1969	5,386	1975	5,850	1981	6,046

	1973	1974	1975	1976	1977	1978	1979	1980	1981	D1982
STYLE										
Whole	3,860	5,159	4,832	3,187	4,284	4,160	4,237	3,231	4,179	3,237
Sliced	850	1,484	944	1,951	1,459	1,278	1,239	1,467	1,577	1,100
Diced	185	348	75	178	217	209	230	333	289	254
CONTAINER SIZE										
24/8z	108	109	74	56	31	49	333	42	53	.....
24/300	1,114	1,470	1,035	606	696	642	884	687	796	641
24/303	2,159	3,315	3,018	3,102	3,242	3,145	2,767	2,717	3,217	1,981
6/10	1,338	1,805	1,484	1,458	1,889	1,742	1,609	1,483	1,862	1,916
Misc.	175	292	240	93	102	69	113	101	117	54
Total A/C	4,895	6,990	5,850	5,315	5,960	5,648	5,706	5,031	6,046	4,591
Total, Basis 303	5,658	8,113	6,809	6,201	7,126	6,293	6,517	5,857	7,103	5,714

D - Reports discontinued. Primary States canning white potatoes: Ark., Calif., Del., Ind., Me., Minn., N.C., N.Y., Pa., Tenn., Va. and Wis.

SWEET POTATO PACKS IN THE UNITED STATES

Thousands of Cases, basis 24 No. 303 Cans. To Convert to 2's, multiply by .822

1940	1,194	1946	5,089	1952	6,091	1958	8,558	1964	7,865	1970	9,846	1976	7,960
1941	2,430	1947	2,055	1953	5,948	1959	8,864	1965	11,101	1971	10,056	1977	7,194
1942	1,121	1948	2,215	1954	4,954	1960	6,942	1966	10,024	1972	9,461	1978	9,436
1943	1,482	1949	3,837	1955	6.165	1961	8,157	1967	9,848	1973	11,415	1979	9,174
1944	2,050	1950	5,190	1956	6,177	1962	10,876	1968	10,846	1974	12,767	1980	5,917
1945	3,751	1951	3,964	1957	6,519	1963	8,756	1969	12,499	1975	7,668	1981	7,955

SWEET POTATO PACKS BY SIZE OF CONTAINER AND STATE

12 Months beginning July 1 of year shown (Thousand of Actual Cases—Figures Rounded)

SIZE	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
24/8 oz.	263	184	111	157	108	91	111	70	88	79
24/2 Squat	164	109	(a)	(a)	76	(a)	(a)	(a)	(a)	(a)
24/303 & 300	1,346	1,345	985	1,435	1,343	967	1,040	1,120	1,339	1,210
24/3 Squat	966	867	473	800	558	627	446	469	445	395
24/2½	885	944	746	992	650	447	592	702	720	720
12/3 cyl.	41	79	30	55	91	(a)	(a)	(a)	(a)	(a)
6/10	1,672	1,697	1,134	1,375	1,624	919	960	1,159	1,486	1,089
12/40 oz	922	816	673	979	745	(a)	(a)	(a)	(a)	(a)
Miscellaneous	.....	8	42	111	.....	913	817	1,004	1,535	1,054
*REGION										
East	2,764	2,265	1,476	1,473	1,125	750	405	605	801	n.a.
South & West	2,545	2,865	1,785	4,430	4,070	3,213	3,561	3,919	4,813	n.a.
Ark., Ca.	951	919	933	(a)	(a)	(a)	(a)	(a)	(a)	n.a.
Total A/C	6,260	6,048	4,195	5,903	5,195	3,963	3,967	4,524	5,613	4,547
Total Basis 24/303	9,436	9,174	5,917	7,955	7,049	5,315	5,283	6,149	7,469	6,055

*Beginning 1981 data adjusted to conform with new NFPA uniform regional definitions. (See beginning of this Section VIII for description). Earlier years therefore not comparable. Prior to 1981 East data is for MD, Del. & NC; South & West data is for Fla., La. & Tenn. (a) Included in Misc. or South & West. (b) Included with 6/10. n.a. - Not available.

SWEET POTATO PACKS BY STYLE

(Thousands of Actual Cases—Figures Rounded)

STYLE	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Solid, Mashed	176	179	128	141	93	82	n.a.	n.a.	n.a.	n.a.
Whole, Syrup	2,000	1,697	940	1,529	1,217	953	933	954	1,244	932
Cuts & Halves*	3,702	3,918	2,926	3,917	3,678	2,782	2,835	3,323	4,047	3,369
Vacuum Pack	381	254	201	315	207	146	n.a.	n.a.	n.a.	n.a.
Total	6,260	6,048	4,195	5,903	5,195	3,963	3,967	4,524	5,613	4,547

*Cuts & Whole in syrup for 1978. P - Not available at press time.

SAUERKRAUT PACKS IN THE UNITED STATES

Compiled by National Kraut Packers Association

Thousands of Cases, Tin & Glass basis 24 No. 303 Cans. Season beginning year shown.

1939	7,226	1946	10,103	1953	10,043	1960	9,833	1967	11,424	1974	12,209
1940	10,648	1947	5,175	1954	9,829	1961	9,923	1968	10,825	1975	9,859
1941	10,011	1948	7,938	1955	9,267	1962	9,400	1969	10,569	1976	9,409
1942	4,299	1949	9,527	1956	9,922	1963	9,554	1970	12,088	1977	9,419
1943	4,541	1950	10,857	1957	9,673	1964	9,026	1971	11,266	1978	9,509
1944	3,954	1951	8,834	1958	9,316	1965	10,768	1972	10,008	1979	9,016
1945	10,358	1952	8,688	1959	8,229	1966	10,019	1973	10,573	1980	8,173

SAUERKRAUT PACKS BY STATE AND CONTAINER SIZE

Thousands of Cases. Figures rounded—12 month pack beginning Sept. 1 of year shown.

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
BASIS 24/303 CANS										
Tin, East	3,139	3,420	3,020	2,457	2,842	2,606	2,197	2,441	2,096	1,901
Tin, Midwest	3,962	3,792	3,722	3,658	3,487	3,351	2,115	3,034	2,979	3,802
Tin, Other	804	887	951	817	880	992	486	493	302	238
Total Tin	7,905	8,099	7,693	6,932	7,209	6,949	4,797	5,968	5,378	5,941
Glass	1,514	1,410	1,324	1,242	1,478	1,468	1,047	1,043	2,309	1,778
Tot. Tin & Glass	9,419	9,509	9,016	8,173	8,686	8,417	5,844	7,011	7,687	7,719
Bags, 303 basis	1,453	1,624	1,774	1,587	1,377	1,299	1,330	1,741	2,122	1,460
Tot. above	10,872	11,133	10,790	9,760	10,063	9,716	7,174	8,752	9,809	9,179
CONTAINER SIZE (Actual Cases)										
24/8 oz.	690	793	591	707	504	337	413	501	406	330
24/300	188	200	210	188	221	203	130	164	185	660
24/303	2,966	2,949	2,777	2,748	2,643	2,574	1,739	1,997	2,270	1,957
24/2½	1,325	1,340	1,341	1,066	1,192	1,117	740	941	804	848
6/10	1,183	1,220	1,149	971	1,131	1,043	769	1,043	832	981
Misc. Tin	149	169	149	151	137	346	153	190	115	102
12/Qt. glass	[2]1,442	1.125	1,105	1,057	1,231	1,239	866	1,053	950	1,366
12/Pt. glass		436	312	250	336	220	245	224	219	320
Tot. Tin & Gl.	7,943	8,232	7,633	7,138	7,395	7,079	5,055	6,113	5,782	6,564
12/2 lb. bags	[3]1,615	1,353	1,534	1,403	1,232	1,097	1,251	1,575	1,985	1,369
12/1 lb. bags		902	874	721	596	693	453	719	745	507
Tot. Above A/C	9,558	10,487	10,041	9,262	9,223	8,869	6,759	8,407	8,513	8,439
THOUSANDS OF CONTAINERS (not included in above 303's or Actual Case figures)										
Misc. Jars & Pails[6]	.....	.....	.....	.....	.....	.....	.....	28	136	9
5 gal. pails	.....	4	1	1	49	48	33	235	21	73
Barrels (sold bulk)	38	21	23	31	36	20	10	41	16	7
BARRELS CUT[4]	627	706	665	581	601	572	412	563	565	514

PROPORTION Of Total Sauerkraut Pack By Container Type

1984	Metal	61.3%	Poly Bag	17.2%	Glass	10.3%	[5]Misc.	11.2%
1985	Metal	54.6%	Poly Bag	20.8%	Glass	21.0%	[5]Misc.	3.6%
1986	Metal	64.2%	Poly Bag	15.9%	Glass	17.3%	[5]Misc.	2.6%

EAST includes N.Y., Md., Pa. MIDWEST: Wis., Ill., Ohio, Mich., Ind. OTHER: Ore., Wash., Colo., Tenn., Mass. [2]Qts. and Pints, basis 12/qts. [3]1 and 2 lb., basis 12/2 lb. [4]Converted from all container figures. [5]Bulk (45 gal.) Barrels, Plastic Pails & Misc. Jars. [6]One gallon equivalents.

SPINACH PACKS IN THE UNITED STATES *

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn.

Thousands of Cases, basis 24 No. 303 Cans. To convert to 2's, multiply by .822

1909	311	1934	4,395	1944	12,148	1954	4,854	1964	7,641	1974	10,834
1914	817	1935	5,268	1945	10,537	1955	7,326	1965	6,395	1975	8,328
1919	1,411	1936	5,149	1946	10,307	1956	7,819	1966	6,954	1976	6,304
1921	1,212	1937	7,468	1947	4,769	1957	7,740	1967	7,409	1977	7,108
1923	3,912	1938	3,529	1948	6,113	1958	6,390	1968	7,990	1978	6,214
1925	3,195	1939	4,948	1949	8,178	1959	8,701	1969	6,577	1979	8,121
1927	3,923	1940	6,076	1950	6,796	1960	7,797	1970	7,270	1980	6,314
1929	7,521	1941	6,118	1951	9,331	1961	7,708	1971	7,675	1981	5,458
1931	2,768	1942	11,671	1952	7,459	1962	7,266	1972	8,255	1982*	
1933	3,878	1943	9,005	1953	6,597	1963	8,031	1973	8,944		

*1982-83 Pack Mar. 1 to Oct. 1, 1982 3,038,993 basis 303's, compared with 3,363,038 cases same period year earlier. Reports discontinued thereafter to avoid disclosure.

TOMATO PACKS IN THE UNITED STATES

1899	18,119	1918	33,076	1930	35,399	1942	50,327	1954	26,629	1966	32,662
1904	19,587	1919	22,512	1931	19,936	1943	35,708	1955	30,167	1967	39,127
1908	23,906	1920	23,674	1932	24,848	1944	31,841	1956	36,457	1968	48,422
1909	22,875	1921	8,366	1933	24,961	1945	20,444	1957	26,446	1969	32,036
1910	19,232	1922	24,028	1934	27,299	1946	29,106	1958	37,152	1970	39,017
1911	20,303	1923	30,555	1935	32,921	1947	33,805	1959	29,422	1971	38,367
1912	29,201	1924	26,071	1936	29,785	1948	29,759	1960	30,991	1972	43,301
1913	29,585	1925	41,172	1937	32,006	1949	26,275	1961	34,034	1973	45,431
1914	31,700	1926	19,690	1938	28,220	1950	25,751	1962	35,541	1974	43,784
1915	17,637	1927	27,358	1939	29,848	1951	38,759	1963	33,041	1975	53,465
1916	27,369	1928	17,782	1940	36,030	1952	34,136	1964	36,431	1976	42,805
1917	31,397	1929	29,458	1941	38,746	1953	27,248	1965	36,015	1977	54,124

U.S. CANNED TOMATO PACKS BY REGION*

Source: National Food Processors Assn. and California League of Food Processors

Thousands of Actual Cases — Figures Rounded — Calendar Year

REGION*	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
East	2,093	2,1[illegible]2	1,274	2,237	2,803	2,278	2,195	1,127	717	(b)
Midwest	3,434	3,2[illegible]	2,599	2,716	3,794	4,006	4,843	4,141	4,702	5,306
West	†30,109	26,900	23,682	23,591	24,652	21,392	24,022	22,505	23,821	26,096
South	1,454	1,415	1,044	1,156	2,229	1,590	1,680	1,212	1,254	2,706
Tot. above A/C	n.a.	33,689	28,599	29,700	33,478	29,266	32,740	28,986	30,494	34,107
Tot Bas. 24/303	n.a.	(e)42,789	(e)36,697	(e)38,325	43,286	37,597	43,170	37,485	38,955	44,634
Tot. Bas. 24/2	n.a.	(e)35,173	(e)30,165	(e)31,503	35,581	30,905	35,486	30,813	32,021	36,689
Calif. conc. crushed A/C[1] (a)		6,281	10,158	8,421	12,292	14,859	14,302	13,773	14,870	18,160
Tot. all A/C	37,090	39,970	38,757	38,120	45,770	44,125	47,042	42,759	45,364	52,267
Tot. all Bas. 303 (e)	49,241	52,896	53,096	51,937	63,089	61,561	66,376	59,585	63,148	73,237

*This table completely revised in the 1985 Almanac. For definitions of region see note in box at beginning of this Section VIII. NFPA 1984 tomato pack report provided separate breakdown for the California pack of concentrated crushed tomatoes and adjusted the '82 and '83 figures. Almanac editors adjusted '79, '80, & '81. (e) Conversions may include estimate for small amount of mixed misc. container sizes. [1] Conc. crushed includes ground tomatoes and pizza sauce (including prepared with oil or formulated). n.a. - Totals comparable to later years not available. † Includes Calif. conc. crushed. (a) Not collected separately. Data for these packs included in West. (b) Included in South.

TOMATO PACKS BY SIZE OF CONTAINER

Thousands of Actual Cases—Figures Rounded—Calendar Year

Units per Case & Size of Cont'nr	*1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
24/2	40	118	.....	.....	0	0	(a)	(a)	(a)	(a)
24/8Z	786	886	687	765	500	784	678	288	378	540
48/1 Pic	140	234	200	270	668	(a)	(a)	(a)	(a)	(a)
24/300/303	17,109	18,024	14,203	14,637	17,448	14,631	15,136	14,827	14,203	15,968
24/2½	6,201	6,011	4,896	4,991	5,087	3,572	4,748	3,845	3,476	3,557
6/10	12,429	7,809	7,558	8,187	9,546	9,332	11,145	8,958	9,312	12,521
Misc. Tin & Gl.	385	608	1,055	849	229	948	1,034	1,068	3,125	1,521
Total	37,090	33,689	28,599	29,700	33,478	29,266	32,740	28,986	30,494	34,107

*Not comparable to later years. Calif. concentrated crushed packs included. See note under Tomato Packs by Region. (a) Included in Misc.

**OHIO'S FINEST TOMATOES, TOMATO PRODUCTS,
AND SAUERKRAUT**

HIRZEL CANNING CO. and FARMS

GROWERS AND PACKERS OF
STAR CROSS, SILVER FLEECE *AND* ***DEI FRATELLI*** *BRANDS*

411 Lemoyne Rd., Toledo, Ohio 43619
Tel. 419—693-0531

CANNED TOMATOES — CARRYOVER—PACKS—STOCKS—SHIPMENTS

(Thousands of Actual Cases—Figures Rounded—Season beginning year shown)

	1978	1979	1980	1981	*1982	*1983	*1984	*1985	*1986	*1987
Carryover 7/1....	12,157	10,866	9,017	7,423	4,791	7,202	7,207	8,377	7,567	4,574
Pack, 7/1-1/1.....	36,167	38,491	38,019	37,410	32,059	28,185	31,583	28,066	29,705	32,576
Pack, 1/1-4/1.....	433	389	163	728	295	264	249	162	411	} 1,408
Pack, 4/1-7/1.....	648	349	547	691	787	893	671	627	1,121	
Canner Supply...	49,405	50,094	47,746	46,252	37,932	36,544	39,710	37,232	38,804	38,557
CANNER SHIPMENTS										
7/1 to 1/1........	19,130	20,585	22,298	23,547	17,108	16,341	17,773	15,332	18,842	n.a.
1/1 to 4/1........	11,100	13,102	11,036	10,057	8,381	8,398	11,234	8,819	9,092	n.a.
4/1 to 7/1........	8,309	7,390	6,989	6,185	5,240	4,599	2,326	5,514	6,297	n.a.
Tot. 7/1 to 7/1 ...	38,539	41,077	40,322	39,790	30,730	29,337	31,333	29,664	34,231	32,976
CANNER STOCKS										
January 1	29,194	28,771	24,738	21,286	19,742	19,046	21,017	21,111	18,431	n.a.
April 1..........	18,527	16,058	13,865	11,957	11,656	10,913	10,033	12,454	9,749	n.a.
July 1...........	10,866	9,017	7,423	6,462	7,202	7,207	8,377	7,567	4,574	5,581
EXPORTS**.....	1,176	1,779	1,456	1,341	832	583	498	664	579	335
GVM'T PURCHASES**										
Armed Forces....	518.2	518.4	532.6	583.8	425.3	676.5	517.1	576.2	545.1	550.3
USDA...........	1,581.4	2,858.3	431.0	36.4	75.6	722.5	1,086.8	882.5	882.8	1,234.5
Vet. Admin.......	35.0	75.5	80.1	65.8	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

*Not comparable to earlier years. Calif. concentrated crushed packs deleted. See Note under Tomato Packs By Region. **Basis 1,000 cases 24/303, Season beginning year shown. Calendar year for Exports.

CALIFORNIA TOMATO PACKS BY TYPE & STYLE

Source: California League of Food Processors
Thousands of Actual Cases

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Whole Round....	16,106	17,944	14,960	13,339	15,390	11,464	13,888	12,137	11,894	12,139
Whole Pear......	1,515	1,686	1,774	1,087	980	936	1,144	974	641	748
Stewed..........	(o)	6,103	5,120	5,483	5,595	5,948	5,252	5,364	5,526	6,567
Other Styles†....	(o)	1,847	1,818	3,584	2,641	3,044	3,665	3,913	5,656	6,600
Total............	17,621	27,579	23,672	23,493	24,606	21,392	23,949	22,388	23,717	26,054
Other...........	12,371	.....	.....	.....	.....	.....	.....	.....	.....	.....
Conc. Crushed*										
24/300-303.......	(o)	221	(m)	275	408	479	325	860	(m)	1,487
24/2½...........	(o)	720	1,215	1,054	1,321	1,235	1,531	1,912	927	1,400
6/10............	(o)	5,218	8,361	7,005	10,417	13,075	12,393	11,001	13,805	[1]15,020
Misc............	(o)	122	582	87	146	70	53	.....	138	253
Total............	(o)	6,281	10,158	8,421	12,292	14,859	14,302	13,773	14,870	18,160
Total All........	29,992	33,861	33,830	31,914	36,898	36,251	38,251	36,161	38,587	44,214

(o) Included in "Other". (m) Included in "Misc." † Includes diced, sliced, wedges and chunks. *Includes ground tomatoes, and pizza sauce (including prepared with oil or formulated). [1] Includes some bulk packs converted to 6/10's.

CALIFORNIA TOMATO PASTE PACKS

Retail sizes not included.
Source: California League of Food Processors - Thousands of Cases

	1981	1982	1983	1984	1985	1986	1987
6/10 Actual Cases........................	1,013	1,288	1,202	1,835	1,533	1,610	1,746
Bulk Pack basis 6/10*....................	15,423	18,384	18,722	21,617	22,200	22,357	24,432
Total....................................	16,436	19,672	19,924	23,452	23,733	23,967	26,178

---

*Includes product packed in barrels, tanks, tank cars, 6/12's etc., converted to standard 6/10 basis, 32% salt free solids.

TOMATO CATSUP PACKS IN THE UNITED STATES*

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn.

(Thousands of Actual Cases—Figures Rounded)

1942	11,771	1948	16,897	1954	18,565	1960	33,818	1966	41,450	1972*	6,403
1943	9,382	1949	10,900	1955	22,947	1961	33,706	1967	44,256	1973*	6,518
1944	11,688	1950	14,793	1956	30,301	1962	42,018	1968*	10,509	1974*	7,739
1945	11,484	1951	24,015	1957	24,079	1963	34,705	1969*	4,950	1975*	10,083
1946	15,751	1952	19,652	1958	28,364	1964	38,775	1970*	5,377	1976*	5,313
1947	20,661	1953	19,116	1959	25,774	1965	41,130	1971*	7,490	1977*	8,065

Thousands of Cases 6/10 and larger

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
† California	5,605	5,742	4,575	3,959	4,422	4,719	4,566	4,072	3,650	3,931
Other States	1,155	833	975	911	1,320	1,333	2,107	2,264	1,873	3,276
Total	6,760	6,575	5,550	4,870	5,742	6,052	6,673	6,336	5,523	7,207

*Includes only No. 10's & larger 1968 and thereafter. Includes bulk packs converted to # 10's. See also Bureau of Census reports, under Pulp pack. † Reports by California League of Food Processors.

CHILI SAUCE PACKS IN THE UNITED STATES

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn. and California League of Food Processors

(Thousands of Actual Cases—Figures Rounded)

1947	3,621	1953	2,563	1959	2,826	1965	2,646	1971	2,195	1977	2,111
1948	2,544	1954	1,979	1960	2,567	1966	2,853	1972	2,511	1978	2,778
1949	1,370	1955	2,395	1961	2,489	1967	2,453	1973	2,225	1979	2,151
1950	1,814	1956	3,292	1962	2,889	1968	3,355	1974	2,099	1980	2,261
1951	3,220	1957	2,208	1963	2,145	1969	2,506	1975	2,126	1981	1,978
1952	2,848	1958	2,099	1964	2,443	1970	2,427	1976	2,442	1982	2,292

PACK BY SIZE OF CONTAINER

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
12 oz. glass	1,310	1,185	1,289	1,208	1,495	1,192	†460	†309	n.a.	n.a.
6/10 tin*	1,468	966	972	770	796	764	†656	†773	n.a.	n.a.
Total A/C*	2,778	2,151	2,261	1,978	2,292	1,956	2,248	2,147	2,045	1,437
Tot. Basis 12/12 oz.	9,663	6,680	5,723	4,719	5,127	4,674	5,518	5,858	6,531	4,540
Tot. Basis 24/303's	2,834	1,977	2,038	1,680	1,826	1,665	1,965	2,086	2,326	1,622
Tot. Basis 6/10	1,745	1,217	1,255	1,035	1,124	1,025	1,210	1,285	1,432	999
Calif. A/C*	1,854	1,317	1,331	1,001	1,085	993	1,116	1,082	n.a.	n.a.
Calif. Basis 6/10	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	841	1,011	631
Other States A/C*	924	834	930	977	1,207	963	1,132	1,065	n.a.	n.a.
Other Sts Basis 6/10	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	444	421	368

*Includes bulk packs converted to 6/10. † California only. A/C - Actual Cases.

TOMATO JUICE PACKS IN THE U.S.*

Compiled by Economics & Statistics Div., Nat'l. Food Processors Assn. and California League of Food Processors

(Thousands of Actual Cases—Figures Rounded)

1931	4,584	1941	19,046	1950	22,741	1959	28,303	1968	31,359	1977	21,711
1933	4,170	1942	20,738	1951	31,626	1960	29,937	1969	26,388	1978	26,313
1934	5,704	1943	19,252	1952	31,417	1961	28,845	1970	27,998	1979	24,312
1935	9,287	1944	26,487	1953	32,733	1962	36,457	1971	29,540	1980	21,746
1936	13,105	1945	24,553	1954	23,466	1963	31,284	1972	23,741	1981	14,075
1937	13,445	1946	30,525	1955	23,699	1964	32,397	1973	26,771	1982	18,461
1938	8,988	1947	16,880	1956	28,017	1965	30,564	1974	28,053	1983	Reports discontinued
1939	11,091	1948	32,701	1957	28,483	1966	29,753	1975	27,603		
1940	12,414	1949	20,560	1958	32,621	1967	33,151	1976	24,764		

*Figures through 1967 include tomato juice cocktail. 1968 and thereafter include only tomato juice concentrate and tomato juice.

TOMATO PULP (PUREE) PACKS IN THE U.S.*

Source: Nat'l. Food Processors Assn.: and California League of Food Pr[illegible]ssors
(Thousands of Actual Cases)

REGION*	1978	1979	1980	1981	1982	1983	†1984	†1985	†1986	†1987
EAST	215	298	125	284	313	(b)	n.a.	n.a.	n.a.	n.a.
MIDWEST	207	201	166	183	276	600	n.a.	n.a.	n.a.	n.a.
WEST	4,884	6,036	4,763	3,861	5,560	4,820	n.a.	n.a.	n.a.	n.a.
SOUTH	.....	.....	.....	(b)	(b)	(b)	n.a.	n.a.	n.a.	n.a.
Total Act. Cs.	5,305	6,535	5,054	4,329	6,150	5,420	n.a.	n.a.	n.a.	n.a.
Tot. Bas. 24/303	8,425	10,395	8,141	6,900	9,788	8,703	n.a.	n.a.	n.a.	n.a.
Tot. Bas. 6/10	5,188	6,401	5,013	4,249	6,027	5,359	n.a.	n.a.	n.a.	n.a.
California A/C	4,876	6,031	4,762	3,860	5,556	4,816	3,917	3,698	3,129	5,030
Other States	429	504	292	469	594	604	n.a.	n.a.	n.a.	n.a.
BY CONTAINER SIZE										
24/300/303's	324	395	177	231	321	249	150	(a)	(a)	(a)
24/2's	31	33	30	32	47	(a)	(a)	(a)	(a)	(a)
24/2½'s	1,545	2,225	1,658	1,591	1,698	1,744	786	702	717	713
6/10's**	3,103	3,452	2,904	2,156	3,730	3,113	2,778	2,662	2,285	3,885
Misc.	303	430	285	319	353	314	203	334	127	432
Tot. A/C	5,305	6,535	5,054	4,329	6,150	5,420	3,917	3,698	3,129	5,030

*303 details not available in later years. Table revised with 1985 Almanac to reflect actual cases by Region. See NFPA definitions of Region in box at beginning of this Section VIII. **Includes larger sizes in Calif. converted to 6/10's. †California only. (a) Included in "Misc.". (b) In Midwest. n.a. - Not available.

TOMATO PRODUCT PACKS AND VALUES REPORTED BY BUREAU OF CENSUS

Thousands of Cases and Millions of Dollars

	1967		1972		1977		1982	
	Pack	Value	Pack	Value	PackR	Value	Pack	Value
[1]**Tomato Sauces**	25,197	131.2	28,414	146.9	51,716	414.5	77,364	803.6
7.1 oz to 10 oz (8z S & T etc)	11,355	63.4	12,699	73.4	9,286	81.5	14,971	193.4
Other Sizes	13,842	67.8	15,715	73.5	42,430	333.0	62,393	610.2
Catsup	**42,134**	**200.7**	**44,514**	**229.5**	**49,858**	**414.8**	**57,070**	**569.4**
14 oz. to 32 oz.	18,246	84.1	n.a.	n.a.	32,884	276.4	35,268	321.8
Other sizes (incl. indiv)	23,598	115.9	n.a.	n.a.	16,974	138.4	21,802	247.6
Chili Sauce	**2,758**	**11.8**	**3,020**	**15.4**	**5,416**	**40.7**	**4,733**	**44.5**
Barbecue Sauce	**4,434**	**18.2**	**8,006**	**34.6**	**6,009**	**38.5**	**15,357**	**149.5**
Tomato Paste	**13,699**	**101.1**	**14,262**	**130.3**	**25,771**	**343.9**	**31,163**	**472.6**
4.1 oz to 7 oz (6 oz. etc)	3,768	23.3	5,335	32.1	4,613	46.4	7,423	81.1
100.1 oz. to 115 oz. (No. 10)	2,304	22.7	2,061	21.8	2,537	33.3	1,775	28.9
Other (incl bulk-equiv 24%)	7,627	55.1	6,866	76.4	[2]18,621	264.2	[3]21,965	362.6
Tom Pulp & Puree	**7,233**	**41.0**	**6,849**	**37.1**	**9,356**	**76.0**	**10,713**	**120.9**
Other Tom Prod. n.s.k.	**1,225**	**4.4**	**1,663**	**9.5**	.....	**21.6**	.....	**14.1**
TOTAL	**96,680**	**507.7**	**106,728**	**603.3**	**148,126**	**1,350.0**	**196,400**	**2,174.4**

[1] Except catsup & chili sauce, pulp, puree, or paste. [2] 775.1 million pounds converted to thousands of cases, basis 6/10's. [3] 914.3 mil. lbs. converted to thousand cases, basis 6/10's. R - Revised.

NEW
Published 6/1/88

THE 1988-89 DIRECTORY OF THE CANNING, FREEZING, PRESERVING INDUSTRIES

FOR FOOD BUYERS, The Directory is the ideal source book. It's the easy way to find basic food products, to find new products to spruce up your menu and to fill out your product line. This well-organized, easy to use directory will give you more detail about each company than any other directory. All of the information that you need to do business intelligently and efficiently with the packer is here. $110 each

See Sample Pages at pages 645-650 this Almanac.

By the Publishers of THE ALMANAC
Edward E. Judge & Sons, Inc.
P.O. Box 866, Westminster, MD 21157 USA (301) 876-2052

ORDER BY PHONE

CANNED FRUIT PACK STATISTICS

Compiled by National Food Processors Assn.; California League of Food Processors; Florida Citrus Processors Assn.; Northwest Food Processors

GLASS PACK: In most of the tables showing the pack by Size of Container, all Glass pack has been included with tin of comparable size; viz., No. 2½ jar with No. 2½ tin; 16 oz. jar with 303 tin, etc.

SUMMARY OF CANNED FRUIT AND FRUIT JUICE PACKS

Thousands of Cases—Basis 24/2½—Figures Rounded

FRUITS	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Apples (b)	2,089	2,414	1,648	1,317	1,586	1,553	D	D	D	D
Applesauce (b) ...	11,562	12,742	10,636	8,819	10,875	10,480	D	D	D	D
Apricots.........	2,127	2,887	2,994	1,208	1,626	1,167	1,861	1,532	505	1,281
Blackberries	53	10	17	38	47	46	D	D	D	D
Blueberries	181	96	78	327	289	167	D	D	D	D
RSP Cherries	582	526	545	213	471	189	389	390	253	474
Sweet Cherries...	485	651	428	316	498	496	357	405	327	451
Cranb. Sce.	3,670	3,618	3,633	3,542	3,562	D	D	D	D	D
Frt. Cocktail (c) ...	11,704	13,815	14,826	11,383	8,722	8,223	8,671	10,058	8,976	9,344
Frt. for Salad (c)...	(e)	(e)	(e)	(e)	(e)	(e)	(e)	(e)	(e)	(e)
Fla. Grapef. Seg. (b)	1,258	1,355	1,152	926	851	D	D	D	D	D
Misc. Fr. (a)......	39	97	113	41	54	38	D	D	D	D
Mixed Fr. (c).....	2,153	3,145	3,215	2,545	2,401	1,335	2,506	2,509	1,845	2,433
Peaches	21,413	25,840	26,765	21,763	18,608	11,421	19,512	18,401	15,506	15,898
Pears	9,026	10,568	10,928	9,700	7,789	7,214	7,657	7,813	7,209	9,125
Pineapple (b)	18,349	[3]18,545	[3]17,057	[3]16,640	D	D	D	D	D	D
Purple Plums	923	711	1,066	940	375	443	577	642	632	488
Total Fruits......	85,614	97,020	95,100	79,718	56,960	42,772	41,530	41,750	35,253	39,494
No. Prod. in Tots...	15	15	15	15	14	12	9	9	9	9
FRUIT JUICES (b)										
Apple	17,137	18,237	18,863	18,728	18,732	D	D	D	D	D
Grapefruit (f)	17,371	16,307	13,082	15,230	8,029	6,555	7,271	6,855	6,189	P
Orange (f)	12,576	12,289	11,849	9,852	6,754	6,260	5,117	5,234	5,597	P
Citrus Blend (f) ...	986	1,045	736	556	448	382	424	329	367	P
Pineapple........	7,822	[3]8,408	[3]9,391	[3]9,237	D	D	D	D	D	D
Total Juices......	55,892	56,286	53,921	53,603	*	*	*	*	*	*
Total Fruits & Juices.........	141,506	153,306	149,021	133,256	*	*	*	*	*	*

(a) Includes Boysenberries, Loganberries, Youngberries, Gooseberries, Raspberries, Strawberries, Plums not purple, Rhubarb. (b) Pack beginning year shown. (c) California. D - Reports discontinued to avoid disclosure. (e) Included with Mixed Fruit. (f) Florida only beginning 1982. P - Not available at press time. *Not complete. [3] Calendar year.

U.S. PACKS OF APPLES

Thousands of Cases — Pack Beginning Year Shown

Actual Cases
1923 2,126
1925 3,467
1927 2,939
1929 2,593
1931 2,067
1933 2,554
1934 2,584
1935 2,332
1936 2,620
1937 2,672
1938 1,751
1939 2,841
1940 2,250
1941 4,348
1942 4,165
1943 1,878
1944 3,356
1945 1,192
Basis 6/10's
1946 3,266
1947 2,242
1948 1,687
1949 4,213
1950 5,265
1951 3,388
1952 2,560
1953 2,942
1954 4,709
1955 3,587
1956 3,917
1957 3,668
1958 3,639
1959 4,034
1960 3,326
1961 3,986
1962 4,036
1963 4,062
1964 3,928
1965 4,409
1966 3,483
1967 3,676
1968 3,604
1969 3,128
1970 2,271
1971 2,564
1972 2,350
1973 3,528

PACKS OF APPLES BY AREA

Thousands of cases - Basis 6/10's per case—Pack Aug. 1 to Aug. 1 Beginning Year Shown

	*1974	1975	1976	1977	1978	1979	1980	1981	1982	†1983
East[1]	1,569	623	836	961	1,084	1,274	895	892	1,196	n.a.
Wash., Ore., Ida....	446	376	549	493	322	549	586	276	227	n.a.
Other States	349	213	317	397	513	393	311	264	301	n.a.
Total U.S.	2,365	1,213	1,702	1,851	1,919	2,216	1,791	1,431	1,724	1,688

*Sept. 1 to Sept. 1. † Aug. 1, 1983 to June 1, 1984. Reports discontinued thereafter. [1] Includes Md., Pa., Va., W.Va., N.Y.

U.S. PACK OF APPLE SAUCE

Thousands of Actual Cases, Figures Rounded. Pack Aug.1 to Aug. 1 beginning Year Shown.

1929	904	1938	1,527	1945	1,984	1952	9,397	1959	17,904	1966	20,166
1931	1,010	1939	3,057	1946	8,840	1953	11,732	1960	18,266	1967	24,452
1933	1,730	1940	2,635	1947	6,084	1954	16,017	1961	18,768	1968	25,263
1934	1,892	1941	4,182	1948	4,852	1955	14,078	1962	20,991	1969	28,266
1935	1,887	1942	4,590	1949	8,974	1956	16,115	1963	21,475	1970	24,291
1936	2,353	1943	2,226	1950	13,321	1957	14,636	1964	25,095	1971	26,399
1937	3,161	1944	4,302	1951	9,456	1958	16,599	1965	25,836	1972	20,767
										1973	25,313

PACK OF APPLE SAUCE BY STATE AND SIZE OF CONTAINER

	*1974	1975	1976	1977	1978	1979	1980	1981	1982	D1983
East	18,728	8,688	8,306	10,701	12,145	12,654	10,691	8,870	12,423	10,157
West	3,895	3,643	3,446	3,343	3,356	4,903	4,009	3,437	2,664	4,105
Other States	5,771	3,788	3,604	4,104	4,062	4,458	3,913	3,028	4,223	3,108
Tot. U.S.	28,393	16,118	15,355	18,148	19,564	22,015	18,613	15,335	19,311	17,371
24/8 oz	1,726	222	235	323	280	689	95	79	29	.....
24/300-303	7,891	6,033	5,338	4,636	5,217	6,195	4,876	3,987	3,653	3,296
24/15 oz	1,866	755	766	881	1,011	956	1,410	768	810	741
12/25 oz. (a)	4,641	2,188	2,122	3,056	3,478	3,919	3,606	3,139	4,987	3,625
12/35 oz	3,710	1,476	1,557	2,109	2,076	2,067	1,316	1,480	1,658	1,330
6/50 oz	3,279	2,370	2,778	3,457	3,382	3,959	4,022	3,136	4,723	3,827
6/10	4,246	2,751	2,349	3,166	3,958	3,915	3,115	2,505	3,197	3,858
Misc. Tin & Gl. (b)	1,035	324	210	519	162	316	173	240	254	694

(a) Includes 25 oz. glass and 3 cyl. tin. (b) Includes 24/2½. *Sept. 1 to Sept. 1. D - Pack to 6/1/84. Reports discontinued.

U.S. PACKS OF APPLE JUICE

Compiled by Economics & Statistics Div., Nat'l. Food Processors Assn.

Thousands of Actual Cases, Figures Rounded, Pack Aug. 1 to Aug. 1 Beginning Year Shown.

1939	393	1945	1,316	1951	3,174	1957	4,653	1963	8,558	1969	13,503
1940	506	1946	3,524	1952	3,199	1958	5,346	1964	9,784	1970	14,472
1941	1,726	1947	1,181	1953	3,081	1959	6,769	1965	9,670	1971	14,148
1942	1,645	1948	1,181	1954	4,220	1960	6,289	1966	8,953	1972	14,277
1943	1,740	1949	2,770	1955	3,508	1961	6,974	1967	9,029	1973	15,623
1944	2,851	1950	3,470	1956	4,266	1962	7,483	1968	9,641	1974	16,399

PACK OF APPLE JUICE BY AREA AND SIZE OF CONTAINER

	1973	*1974	1975	1976	1977	1978	1979	1980	1981	D1982
East	10,100	10,933	8,473	8,738	11,044	13,941	13,589	13,921	13,195	15,392
Midwest	1,527	1,819	2,564	2,386	2,257	4,905	2,783	2,861	3,223	4,635
West	3,996	3.647	4,889	5,429	6,528	7,515	11,707	12,623	13,214	10,204
Total U.S.	15,623	16,399	15,926	16,553	19,828	26,361	28,079	29,405	29,632	30,232
48/5 to 6 oz. Tin	1,777	1,819	1,491	1,915	2,235	3,285	2,638	2,641	2,909	4,097
12/3 Cyl-46 oz T.	3,629	3,193	3,037	2,491	2,662	3,624	3,348	2,910	2,169	2,684
24/12 oz. glass	76	41	56	450	676	867	1,019	1,246	1,304	(a)
12/32 oz. glass	6,264	6.231	4,266	3,787	4,863	5,425	5,826	4,713	3,778	4,113
12/40 oz. glass	828	929	989	810	854	1,138	836	764	618	514
6/64 oz. glass	2,272	2,714	3,545	4,520	5,841	8,502	10,440	12,517	13,971	14,084
4/1 gallon jug	600	960	1,609	1,730	1,629	2,003	2,479	2,113	2,389	2,586
Misc. tin & gl.	176	511	933	850	1,068	1,516	1,493	2,501	2,495	2,153
Tot Basis 24/2	14,793	15,433	15,264	15,412	18,218	24,146	25,751	26,446	26,275	26,694
Tot Basis 24/2½.	10,265	10,811	10,826	10,920	12,906	17,137	18.237	18,863	18,728	18,732

*Sept. 1 to Sept. 1. D - Reports discontinued with the 1982-83 pack. (a) In Misc. East: Md., Mass., N.H., N.Y., Pa., Va., W.Va. Midwest: Mich., Mo., Ohio, Wis. West: Cal., Col., Ore., Wash.

U.S. PACKS OF APRICOTS

California Pack, Stock & Shipments Compiled by California League of Food Processors

Thousands of Actual Cases, Figures Rounded

1923	*1,562	1933	2,666	1943	1,256	1953	6,443	1963	5,369	1973	*5,634
1924	*2,050	1934	2,165	1944	8,030	1954	3,731	1964	6,935	1974	*2,793
1925	*2,197	1935	3,476	1945	4,238	1955	7,831	1965	6,769	1975	*6,145
1926	3,394	1936	3,135	1946	10,802	1956	5,558	1966	*6,958	1976	*3,377
1927	*3,117	1937	5,967	1947	3,342	1957	5,603	1967	*5,884	1977	*3,505
1928	*2,097	1938	1,795	1948	5,316	1958	2,554	1968	*6,594	1978	*3,019
1929	4,267	1939	3,756	1949	2,881	1959	6,818	1969	*7,851	1979	*4,170
1930	*2,069	1940	2,343	1950	4,473	1960	8,006	1970	*4,979	1980	*4,097
1931	2,116	1941	4,538	1951	5,696	1961	6,213	1971	*4,604	1981	*1,663
1932	1,895	1942	3,449	1952	5,101	1962	5,242	1972	*4,273	1982	*2,345

*California only.

CALIFORNIA PACK OF APRICOTS BY SIZE OF CONTAINER

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
24/2½	404	568	636	189	238	108	318	181	39	119
24/8 oz.	450	646	438	171	259	200	306	209	51	206
24/303 & 300	1,125	1,637	1,545	602	1,106	794	1,309	881	397	994
6/10	1,005	1,267	1,442	648	731	516	771	858	244	587
Misc.	34	53	38	54	11	74	.....	.....	.....	.....
Total a/c	3,019	4,170	4,097	1,663	2,345	1,692	2,704	2,129	731	1,906
Tot. Bas.2½'s	2,127	2,887	2,994	1,208	1,626	1,167	1,861	1,532	505	1,281

STYLE - 1982 pack (1983 in parentheses) thousands of actual cases - Halves - 2,187 (1,555); Whole Peeled - 88 (69); Whole Unpeeled - 70 (68). Report discontinued in 1984 to avoid disclosure.

APRICOTS—CARRYOVER—PACK—STOCKS—SHIPMENTS

(Thousands of Actual Cases—Figures Rounded, Season beginning year shown)

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Carryover 6/1	711	419	1,056	1,527	381	316	153	724	476	55
Pack	3,019	4,170	4,097	1,663	2,345	1,692	2,704	2,129	731	1,906
Canner Supply	3,730	4,590	5,153	3,190	2,726	2,008	2,857	2,853	1,207	1,961
CANNER SHIPMENTS										
6/1 - 12/1	2,008	2,004	2,087	1,637	1,375	1,227	1,246	1,310	829	1,015
12/1 - 3/1	723	714	763	607	558	335	435	556	224	380
3/1 - 6/1	580	816	777	565	477	292	452	511	99	360
Total Shipments	3,311	3,534	3,626	2,809	2,410	1,854	2,133	2,377	1,152	1,755
CANNER STOCKS										
Dec. 1	1,722	2,585	3,066	1,553	1,351	781	1,611	1,543	378	946
Mar. 1	999	1,872	2,304	946	793	445	1,176	987	154	566
June 1	419	1,056	1,527	381	316	153	724	476	55	206
EXPORTS*	109	89	51	59.1	54.5	37.6	19.5	19.1	15.8	23.3
GOV. PURCHASES*										
Armed Forces	43.8	57.8	62.6	20.8	38.6	5.7	4.5	34.5	13.2	20.3
U.S.D.A.	.....	419.0	312.8	.....	16.0	.....	474.4	13.5	.....	.....
Vet. Adm.	22.7	26.3	15.1	[6]15.4	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

*Basis 1.000 cases 24/2½, calendar year for exports. [6]Estimate.

U.S. PACKS OF RED TART PITTED CHERRIES*

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn.

All figures refer to thousands of Actual Cases, all size containers.

1929	1,124	1939	3,155	1947	2,397	1955	4,902	1963	1,314	1971	1,477
1931	1,498	1940	3,423	1948	3,552	1956	2,749	1964	4,812	1972	1,631
1933	1,725	1941	2,664	1949	3,445	1957	3,604	1965	3,166	1973	765
1934	1,855	1942	3,062	1950	5,023	1958	2,746	1966	1,258	1974	1,592
1935	2,563	1943	562	1951	4,672	1959	4,128	1967	1,077	1975	1,639
1936	1,450	1944	3,072	1952	3,892	1960	2,219	1968	1,600	1976	550
1937	2,472	1945	1,326	1953	3,849	1961	3,139	1969	2,112	1977	772
1938	1,695	1946	3,086	1954	3,086	1962	4,224	1970	1,392	1978	735

PACK OF RP CHERRIES BY AREA AND SIZE OF CONTAINER

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
East	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Midwest	672	629	635	277	546	232	489	474	332	605
West	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Total U.S.	735	718	707	315	642	299	580	592	390	712
Total Bas. 2½'s	582	526	545	213	471	189	389	390	253	474
24/303 & 300	274	385	301	218	336	243	406	437	299	510
6/10	440	333	407	97	306	56	173	(a)	(a)	202
Misc.	21	.....	.....	.....	.....	.....	.....	154	91	.....

*Does not include pie filling. n.a. - In total. (a) Included in "Misc."

U.S. PACKS OF CANNED SWEET CHERRIES

Compiled by Nat'l. Food Processors Assn. & Northwest Food Processors Assn.

All figures refer to thousands of Actual Cases, all size containers

1923	(a)990	1933	(a)860	1943	912	1953	1,755	1963	876	1973	796
1924	(a)596	1934	526	1944	932	1954	1,683	1964	1,678	1974	983
1925	(a)609	1935	535	1945	1,415	1955	2,318	1965	1,241	1975	648
1926	1,236	1936	570	1946	2,082	1956	1,216	1966	1,025	1976	717
1927	568	1937	519	1947	680	1957	1,684	1967	1,314	1977	774
1928	914	1938	730	1948	1,067	1958	1,659	1968	898	1978	766
1929	1,017	1939	1,073	1949	2,311	1959	1,104	1969	1,622	1979	973
1930	(a)1,202	1940	630	1950	1,146	1960	1,094	1970	1,065	1980	615
1931	406	1941	934	1951	1,421	1961	1,847	1971	861	1981	461
1932	(a)522	1942	1,022	1952	2,100	1962	1,839	1972	621	1982	716

(a) West only.

PACK OF SWEET CHERRIES BY AREA AND SIZE OF CONTAINER

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Northwest	578	751	439	336	566	549	391	426	352	511
Other States[1]	188	222	176	125	150	210	150	162	115	152
Total U.S.	766	973	615	461	716	759	542	588	466	663
Total Bas. 2½'s	485	651	428	316	498	496	357	405	327	451
24/2½	14	21	21	11	19	18	15	18	13	12
24/8 oz.	74	30	17	5	20	11	m	(m)	(m)	(m)
24/303*	498	649	368	301	423	551	375	360	279	420
6/10	177	270	205	135	249	174	135	193	161	214
Misc.	3	2	4	9	4	5	16	17	14	18

[1] Michigan and New York thru 1980; Michigan only 1981-1983. Midwest thereafter. *Includes 24/300's and 24/1 Tall. (m) - Included in "Misc."

CALIFORNIA PACK OF FRUIT COCKTAIL

Compiled by the California League of Food Processors and Cling Peach Advisory Board

Thousands of Actual Cases, Figures Rounded

1934	1,168	1942	5,484	1950	8,570	1958	16,762	1966	24,839	1974	22,211
1935	1,650	1943	5,653	1951	10,743	1959	18,730	1967	21,335	1975	20,236
1936	2,157	1944	6,302	1952	10,971	1960	19,936	1968	26,170	1976	20,234
1937	3,152	1945	6,112	1953	12,137	1961	20,949	1969	26,039	1977	19,601
1938	1,942	1946	7,832	1954	13,461	1962	20,821	1970	19,481	1978	17,428
1939	3,563	1947	9,082	1955	14,886	1963	19,147	1971	20,562	1979	20,222
1940	4,189	1948	11,219	1956	17,485	1964	24,750	1972	17,738	1980	21,163
1941	4,989	1949	6,995	1957	16,690	1965	22,410	1973	20,030	1981	16,822

FRUIT COCKTAIL PACKS BY SIZE OF CONTAINER

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
24/2½*	3,346	4,015	4,385	3,302	2,274	2,299	2,525	2,467	2,391	2,435
24/8 oz.	2,262	2,327	2,006	1,452	1,421	1,017	1,338	1,339	1,410	1,581
24/300 & 303	8,962	10,258	10,445	9,690	6,921	6,388	6,298	7,033	6,382	6,988
6/10	2,858	3,622	4,327	2,378	2,302	2,180	2,386	3,486	2,782	2,697
Total	17,428	20,222	21,163	16,822	12,918	11,884	12,547	14,325	12,965	13,701
Tot. Basis 2½'s	11,704	13,815	14,826	11,383	8,722	8,223	8,671	10,058	8,976	9,344

*To avoid disclosure, packs in sizes not shown have been converted to 2½'s and included with that size.

CALIFORNIA PACKS OF FRUITS FOR SALAD AND MIXED FRUITS

Thousands of Actual Cases, Figures Rounded

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
24/8 oz.	166	171	143	53	59	*	*	*	*	*
24/300 & 303	1,630	2,935	2,146	1,571	2,004	926	1,985	1,865	1,180	1,661
24/2½*	472	447	521	521	250	253	418	394	289	335
6/10	796	1,061	1,554	1,210	1,078	603	1,040	1,144	960	1,250
Tot actual cases	3,063	4,613	4,364	3,355	3,391	1,782	3,443	3,403	2,429	3,246
Tot basis 24/2½	2,153	3,145	3,215	2,545	2,401	1,335	2,506	2,509	1,845	2,433

*To avoid disclosure, packs in sizes not shown have been converted to 2½'s and included with that size.

[2] No. 2½ salad pack converted to 10's and included with that size.

FLORIDA PACK OF GRAPEFRUIT SEGMENTS

Compiled by Florida Citrus Processors Association

Thousands of Actual Cases, Figures Rounded—Pack year beginning Oct. 1 of year shown.

1925	88	1937	3,655	1945	2,272	1953	5,070	1961	4,621	1969	3,906
1927	455	1938	4,229	1946	5,586	1954	6,081	1962	3,110	1970	3,841
1929	1,175	1939	4,073	1947	3,426	1955	5,483	1963	3,589	1971	3,113
1931	1,599	1940	3,153	1948	4,464	1956	5,001	1964	4,290	1972	2,952
1933	2,398	1941	4,410	1949	3,414	1957	4,650	1965	4,603	1973	3,349
1934	3,748	1942	897	1950	4,751	1958	5,072	1966	5,448	1974	2,436
1935	2,411	1943	985	1951	3,819	1959	4,375	1967	4,011	1975	1,710
1936	4,279	1944	485	1952	4,407	1960	4,766	1968	3,983	1976	1,873

*1925-1961 are U.S. Total figures.

PACK OF GRAPEFRUIT BY SIZE OF CONTAINER

	1973	1974	1975	1976	1977	1978	1979	1980	1981	*1982
24/8 oz.	284	174	82	157	163	158	83[1]	42[1]	63[1]	(a)
24/303	2,623	1,888	1,323	1,387	1,422	1,442	1,543	1,282	1,042	1,053
12/3 Cyl	442	374	305	326	324	368	407	387	283	234
Misc.	.....	.....	.....	2	3	.....	.....	.....	.....	.....
Total	3,349	2,436	1,710	1,873	1,912	1,969	2,033	1,711	1,388	1,287

*Reports discontinued 1983-84 season. [1] Basis 48/8 oz. (a) 48/8 oz. included in 303's.

U.S. PACKS BLENDED GRAPEFRUIT & ORANGE JUICE

Thousands of Actual Cases, Figures Rounded — Pack beginning year shown.

1935	81	1943	5,563	1951	5,615	1959	3,766	1967	1,809	1975	2,363
1936	266	1944	7,016	1952	5,263	1960	2,644	1968	2,141	1976	1,262
1937	526	1945	11,800	1953	5,577	1961	3,288	1969	1,984	1977	1,557
1938	676	1946	9,076	1954	4,353	1962	2,635	1970	2,046	1978	1,138
1939	1,301	1947	10.568	1955	4,580	1963	2,135	1971	1,626	1979	1,279
1940	2,285	1948	9,457	1956	4,492	1964	2,084	1972	1,710	1980	860
1941	2,043	1949	6,492	1957	4,140	1965	2,384	1973	1,573	1981	673
1942	3,108	1950	8,269	1958	3.624	1966	3.053	1974	1,363		

*FLORIDA PACK OF CANNED BLENDED JUICE

Compiled by Florida Citrus Processors Association

	1980	1981	1982	1983	1984	1985	1986
24/12 oz.	.....	.....	.....	.....	.....	.....	.....
48/6 oz.	23	21	11	17	20	29	33
12/3 cyl.	758	558	503	426	471	437	400
Other (Converted to 24/2's)	.....	.....	.....	.....	.....	.....	.....
Total	781	579	514	442	491	465	433
Total Basis 24/2's	984	727	650	555	615	477	533
Sweetened (Basis 24/2's)	23	19	8	7	6	4	3
Unsweetened (Basis 24/2's)	961	708	643	548	609	572	531

U.S. PACKS OF GRAPEFRUIT JUICE

Thousands of Actual Cases, Figures Rounded — Pack beginning year shown.

1929	116	1940	14,071	1949	10,795	1958	9,938	1967	14,063	1976	25,921
1931	287	1941	11,051	1950	16,298	1959	9,862	1968	17,207	1977	25,505
1933	740	1942	20,061	1951	8,469	1960	9,566	1969	20,080	1978	24,451
1934	2,556	1943	22,637	1952	10,515	1961	9,811	1970	23,854	1979	24,223
1935	2,236	1944	19,261	1953	14,638	1962	8,380	1971	24,891	1980	19,303
1936	6,016	1945	22,483	1954	11,041	1963	5,662	1972	25,987	1981	21,383
1937	8,022	1946	15,173	1955	12,814	1964	9,741	1973	26,579		
1938	9,199	1947	14,869	1956	13,535	1965	12,215	1974	20,158		
1939	9,657	1948	12,803	1957	9,335	1966	18,377	1975	24,544		

*FLORIDA PACK OF CANNED GRAPEFRUIT JUICE

	1980	1981	1982	1983	1984	1985	1986
24/12 oz.	756	793	709	734	706	718	543
48/6 oz.	5,036	4,827	3,897	3,452	3,807	3,701	3,552
12/3 cyl.	8,019	9,355	6,688	5,234	5,891	5,443	4,849
Other (Converted to 24/2's)	119	20	31	32	13	44	53
Total	13,931	14,996	11,325	9,452	10,417	9,906	8,998
Total Basis 24/2's	14,231	15,725	11,651	9,513	10,552	9,948	8,982
Sweetened (Basis 24/2's)	422	389	352	224	364	267	219
Unsweetened (Basis 24/2's)	13,810	15,336	11,299	9,288	10,188	9,680	8,763

U.S. PACKS OF ORANGE JUICE

Thousands of Actual Cases, Figures Rounded—Pack beginning year shown.

1939	3,578	1946	17,135	1953	17,491	1960	13,169	1967	12,551	1974	13,011
1940	4,012	1947	23,993	1954	18,771	1961	16,146	1968	15,691	1975	13,262
1941	4,406	1948	18,039	1955	17,953	1962	13,367	1969	17,082	1976	14,187
1942	2,703	1949	17,667	1956	20,059	1963	10,639	1970	16,966	1977	16,166
1943	7,372	1950	20,871	1957	18,562	1964	13,496	1971	15,927	1978	18,905
1944	14,229	1951	19,126	1958	15,868	1965	14,145	1972	17,506	1979	19,622
1945	19,397	1952	17,822	1959	18,022	1966	17,629	1973	14,615	1980	19,146
										1981	15,956

*FLORIDA PACK OF CANNED ORANGE JUICE

	1980	1981	1982	1983	1984	1985	1986
24/12 oz.	1,550	1,542	1,544	1,363	1,089	1,097	1,019
48/6 oz.	6,112	5,578	4,756	4,290	3,699	3,394	3,458
12/3 cyl.	6,031	5,226	4,310	4,080	3,285	3,526	3,949
Other (Converted to 24/2's)	195	75	91	99	34	95	88
Total	13,887	12,421	10,702	9,832	8,107	8,111	8,515
Total Basis 24/2's	13,012	11,503	9,802	9,084	7,425	7,596	8,122
Sweetened (Basis 24/2's)	1,093	687	635	566	518	525	478
Unsweetened (Basis 24/2's)	11,919	10,817	9,167	8,518	6,907	7,071	7,644

*Florida only. Season beginning year shown. Thousands of cases. Source: Florida Citrus Processors Association.

U.S. PACKS OF PEACHES†

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn.
California figures compiled by California League of Food Processors and the Cling Peach Advisory Board.

Thousands of Actual Cases - Figures Rounded - Season beginning year shown

1923	7,466	1933	10,576	1943	11,450	1953	25,557	1963	38,113	1973	29,943
1924	6,331	1934	8,936	1944	14,036	1954	22,118	1964	43,951	1974	39,695
1925	10,755	1935	11,747	1945	14,675	1955	27,357	1965	34,457	1975	34,980
1926	14,482	1936	11,183	1946	20,755	1956	34,092	1966	42,950	1976	30,465
1927	11,836	1937	13,880	1947	19,496	1957	29,776	1967	32,041	1977	35,921
1928	14,975	1938	10,400	1948	18,644	1958	29,808	1968	45,822	1978	26,786
1929	8,724	1939	12,116	1949	21,443	1959	35,225	1969	45,700	1979	32,685
1930	13,803	1940	11,464	1950	18,576	1960	36,016	1970	34,290	1980	32,744
1931	8,752	1941	14,778	1951	25,826	1961	36,537	1971	31,514	1981	27,351
1932	6,633	1942	16,726	1952	22,727	1962	38,846	1972	29,321	1982	23,581

† Spiced Peaches not included.

PACKS OF PEACHES BY TYPE AND SIZE OF CONTAINER

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
CLINGSTONE - California										
24/8Z	2,053	2,551	1,596	1,489	1,320	1,056	1,372	1,221	1,257	1,378
24/300-303	6,578	8,966	8,693	8,753	7,758	5,992	9,304	7,363	6,593	8,143
24/2½	10,434	11,119	11,487	9,304	7,242	3,346	6,450	6,552	5,506	4,966
6/10	5,818	7,756	8,847	6,487	6,332	3,945	7,133	6,799	5,278	5,257
Misc.	.....	.....	.....	.....	.....	(a)	(a)	(a)	(a)	(a)
Tot. a/c	24,883	30,391	30,624	26,033	22,652	14,339	24,259	21,935	18,634	19,744
Tot. Basis 2½	19,874	24,053	24,990	20,658	17,846	10,686	18,687	17,352	14,465	14,829
FREESTONE - All States										
24/8Z	6	.....	2	(m)	(m)	(m)	(m)	(m)	(m)	(m)
24/300-303	592	811	641	395	(m)	441	521	499	(m)	501
24/2½	953	1,070	1,130	515	(m)	290	368	650	639	683
6/10	210	194	282	(m)	(m)	195	(m)	(m)	(m)	(m)
Misc.	143	219	66	408	929	37	202	161	611	122
Tot. a/c	1,904	2,294	2,120	1,318	929	965	1,090	1,310	1,250	1,307
Tot. Basis 2½	1,539	1,787	1,774	1,105	799	731	825	1,049	1,041	1,069
ALL PEACHES										
Tot. a/c	26,786	32,685	32,744	27,351	23,581	15,304	25,349	23,245	19,884	21,051
Tot. Basis 2½	21,413	25,840	26,765	21,763	18,645	11,417	19,512	18,401	15,506	15,898

(m) In Miscellaneous. (a) Packs of misc. sizes may be included with 2½'s to avoid disclosure of confidential information.

CANNED PEACHES—CARRYOVER—PACK—STOCKS—SHIPMENTS

Thousands of Actual Cases — Figures Rounded.Season beginning year shown

	1978	1979	1980	1981	1982	†1983	†1984	†1985	†1986	†1987
Carryover 6/1	8,496	4,773	6,951	9,359	10,484	7,034	1,729	5,847	7,232	4,073
Pack	26,786	32,685	32,744	27,351	23,581	14,339	24,259	21,935	18,634	19,744
Canner Supply	35,283	37,458	39,695	36,710	34,066	21,373	25,988	27,782	25,866	23,817
CANNER SHIPMENTS										
6/1-12/1	18,847	17,051	16,231	12,607	13,927	11,933	10,399	9,000	10,991	12,160
12/1-3/1	6,923	6,500	6,366	6,488	6,699	3,825	4,933	5,236	5,490	5,190
3/1-6/1	5,220	6,956	7,739	7,131	6,175	3,885	4,809	6,314	5,312	4,554
Total Ship	30,510	30,506	30,336	26,226	26,801	19,644	20,141	20,550	21,793	21,904
CANNER STOCKS										
Dec. 1	16,436	20,407	23,464	24,103	20,139	9,440	15,589	18,782	14,875	11,657
Mar. 1	9,993	13,907	17,098	17,616	13,440	5,615	10,656	13,546	9,385	6,467
June 1	4,773	6,951	9,359	10,484	7,265	1,729	5,847	7,232	4,073	1,913
EXPORTS**	4,180	2,622	2,818	2,689	1,885	1,329	675	511	876	761
GOVMT. PURCHASES**										
ARMED Forces	96.2	251.5	271.1	148.6	142.5	138.2	116.2	162.1	135.0	95.5
USDA	683.8	850.2	1,196.0	1,881.9	1,482.7	809.3	705.0	606.5	703.7	787.8
Vet Admin	47.4	51.5	38.4	40.0	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

**Basis 1,000 cases 24/2½. Calendar year for Exports. n.a. - Not available. † California clingstone only. Not comparable to years prior to 1983.

U.S. PACKS OF PEARS

Compiled by Economics & Statistics Div., Nat'l. Food Processors Assn.; beginning in 1981 by the Northwest Food Processors Assn. and the California League of Food Processors.

Thousands of Actual Cases, Figures Rounded

1923	*1,837	1933	4,997	1943	4,648	1953	7,923	1963	7,572	1973	13,641
1924	*2,205	1934	6,163	1944	4,802	1954	10,717	1964	15,287	1974	14,937
1925	4,108	1935	4,944	1945	4,625	1955	11,516	1965	8,509	1975	13,152
1926	*3,418	1936	6,365	1946	5,547	1956	12,086	1966	15,264	1976	15,541
1927	3,061	1937	5,411	1947	5,986	1957	11,725	1967	8,142	1977	13,511
1928	*4,315	1938	5,198	1948	4,744	1958	10,566	1968	14,320	1978	12,297
1929	4,981	1939	5,102	1949	6,924	1959	12,679	1969	14,736	1979	14,336
1930	4,594	1940	6,028	1950	8,139	1960	11,483	1970	11,680	1980	14,474
1931	3,932	1941	7,166	1951	9,003	1961	12,098	1971	14,154	1981	13,012
1932	3,672	1942	6,423	1952	8,187	1962	12,684	1972	12,299	1982	10,419

*West only.

PACK OF PEARS BY STATE AND SIZE OF CONTAINER

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Northwest	8,208	9,956	9,798	9,200	8,080	9,752	10,415	10,481	9,719	12,387
California	4,088	4,380	4,676	3,812	2,339					
Total U.S. A/C	12,297	14,336	14,474	13,012	10,419	9,752	10,415	10,481	9,719	12,387
Tot. Bas. 2½	9,026	10,568	10,928	9,700	7,789	7,214	7,657	7,813	7,209	9,125
24/8Z	1,143	1,462	1,064	925	826	693	892	830	787	989
24/303*	5,087	5,482	5,515	5,352	4,016	4,120	4,343	4,121	3,883	5,101
24/2½	2,837	2,892	2,689	2,342	1,639	1,688	1,769	1,895	1,700	1,877
6/10	3,230	4,501	5,206	4,393	3,938	3,232	3,398	3,617	3,334	4,403
Miscellaneous	.....	.....	.....	.....	.....	19	13	18	15	17

*Includes 300 and No. 1 Tall.

U.S PACKS OF PURPLE PLUMS

Compiled by Economics & Statistics Div., Nat'l Food Processors Assn. & Northwest Food Processors Assn.

Thousands of Actual Cases, Figures Rounded

1934	1,035	1942	1,085	1950	1,018	1958	1,531	1966	1,730	1974	1,488
1935	1,695	1943	1,760	1951	2,603	1959	1,974	1967	2,163	1975	1,697
1936	1,818	1944	1,117	1952	1,735	1960	456	1968	871	1976	1,243
1937	1,617	1945	1,647	1953	1,467	1961	1,959	1969	2,651	1977	1,032
1938	704	1946	3,576	1954	1,835	1962	2,402	1970	977	1978	1,128
1939	2,213	1947	1,851	1955	1,930	1963	1,380	1971	1,442	1979	896
1940	1,161	1948	937	1956	2,540	1964	1,794	1972	461	1980	1,305
1941	1,948	1949	1,806	1957	1,200	1965	1,996	1973	1,564	1981	1,157

PURPLE PLUM PACKS BY STATE & SIZE OF CONTAINER

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Northwest	309	444	826	707	333	228	423	516	491	385
Michigan	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Other States	819	452	480	451	146	321	303	280	141	205
Total U.S.	1,128	896	1,305	1,157	479	549	726	796	778	590
Tot Basis 24/2½'s	923	711	1,066	940	375	443	577	642	632	488
24/8Z	26	34	26	27	(a)	(a)	(a)	(a)	(a)	(a)
24/303*	346	311	414	358	178	184	263	261	260	172
24/2½	287	213	354	232	82	90	114	99	134	110
6/10	469	338	511	540	204	268	338	426	381	304
Miscellaneous	.....	.....	.....	.....	15	6	11	10	3	4

*Includes 300 and No. 1 Tall. (a) Included in Other States or Miscellaneous.

U.S. PACKS OF CANNED FISHERY PRODUCTS

Source: National Marine Fisheries Service, N.O.A.A., U.S. Department of Commerce
Thousands of Pounds—Figures Rounded

1933	518,996	1944	658,660	1955	843,696	1966	1,187,547	1977	1,421,295
1934	681,304	1945	646,386	1956	977,763	1967	1,189,392	1978	1,597,329
1935	647,642	1946	699,378	1957	987,602	1968	1,267,025	1979	1,439,080
1936	769,573	1947	754,129	1958	1,094,602	1969	1,168,281	1980	1,516,097
1937	717,270	1948	782,208	1959	969,135	1970	1,345,891	1981	1,476,198
1938	649,413	1949	855,015	1960	1,083,418	1971	1,328,816	1982	1,283,376
1939	688,270	1950	967,115	1961	1,042,740	1972	1,596,830	**1983**	**1,390,795**
1940	681,194	1951	800,509	1962	1,133,710	1973	1,647,357	**1984**	**1,410,750**
1941	885,962	1952	809,495	1963	1,035,909	1974	1,554,006	**1985**	**1,161,146**
1942	660,342	1953	792,194	1964	1,095,566	1975	1,382,428	**1986**	**1,332,033**
1943	620,880	1954	862,523	1965	1,121,629	1976	1,565,157	**1987***	**1,171,193**

PACK AND VALUE OF CANNED FISHERY PRODUCTS BY TYPE

			1986			*1987		
	Number Plants 1986	Pounds Per Case	Standard Cases	Thousand Pounds	Thousand Dollars	Standard Cases	Thousand Pounds	Thousand Dollars
For human consumption:								
Fish:								
Gefiltefish	4	48	487,620	23,406	19,045	491,696	23,061	20,623
Herring	9	48	139,481	6,695	11,000	156,654	7,519	12,632
Mackerel	3	45	375,848	16,913	6,596	(a)	(a)	(a)
Roe and caviar	5	48	16,393	787	3,535	10,499	504	2,736
Salmon:								
Natural	87	48	2,953,205	141,754	265,046	2,335,010	112,080	220,628
Specialties	23	48	5,988	287	1,277	3,319	159	686
Sardines, Maine	10	23.4	666,701	15,601	27,736	560,510	13,116	22,420
Sturgeon, Smoked	8	48	500	24	134	(a)	(a)	(a)
Tuna:								
Solid[1]	10	19.5	7,612,889	148,451	300,211	7,421,969	144,728	312,077
Chunk	7	19.5	24,985,052	487,209	580,231	26,102,420	508,997	705,360
Flakes and grated	3	18	65,070	1,171	1,076	14,334	258	222
Total Tuna	11	-	32,663,011	636,831	881,518	33,538,723	653,983	1,017,659
In Sauces, Smoked, and Spreads	7	48	259,483	12,455	14,378	14	1	4
Tunalike Fish	1	19.5	(a)	(a)	(a)	(a)	(a)	(a)
Other Fish Specialties	11	48	485,512	23,305	10,343	455,732	21,875	15,422
Total Fish	-	-	38,053,742	878,058	1,240,608	37,552,157	832,838	1,312,810
Shellfish:								
Clams and Clam Products								
Whole and Minced	16	15	1,369,899	20,548	50,329	1,302,976	19,545	34,695
Chowder	14	30	1,960,659	58,820	41,148	2,960,569	88,817	46,195
Juice	12	30	808,141	24,244	4,639			
Total	20	-	4,138,699	103,612	96,116	4,263,545	108,362	80,890
Bisques, Bases, Dips, In Shell, Et. Al.	7	48	267,193	12,825	11,194	289,851	13,913	6,721
Crabs:								
Natural	6	19.5	30,474	594	2,414	9,117	178	925
Deviled Dips, Smoked, Soups and Spreads	4	48	10,145	487	254	3,811	183	154
Lobster, Bases, Bisques, Deviled, Dips, Meats, Newburg Et. Al.	5	48	18,775	901	1,270	17,840	856	1,030
Oysters:								
Natural[3]	2	7	(a)	(a)	(a)	(a)	(a)	(a)
Smoked and Stews	5	48	70,117	3,366	3,790	68,407	3,284	3,786
Shrimp:								
Natural[3]	13	6.75	680,918	4,596	23,187	654,531	4,418	22,700
Bisques, Dips, and Pastes	3	48	19,319	927	952	19,136	919	988
Other Shellfish Spec.	9	48	119,050	5,714	4,428	51,973	2,495	3,678
Total Shellfish	-	-	5,354,690	133,022	143,605	5,378,211	134,608	120,872
Total For Human Consumption	-	-	43,408,432	1,011,080	1,384,213	42,930,368	967,446	1,433,682
For Animal Food and Bait:								
Animal Food	19	48	6,683,692	320,817	99,569	4,244,695	203,745	76,906
Salmon Eggs for Bait	3	48	2,823	136	808	31	2	17
Total For Animal Food and Bait	22	48	6,686,515	320,953	100,377	4,244,726	203,747	76,923
Grand Total	169	-	50,094,947	1,332,033	1,484,590	47,175,094	1,171,193	1,510,605

[1] Standard cases changed from 21 lb. to 19.5 lb. [2] "Cut Out" or "Drained" weight of can contents is given for whole or minced clams, and net contents for other clam products. [3] Drained weight. (a) Included with Other Fish or Shellfish Specialties. *Preliminary.

U.S. PACKS OF CANNED FISHERY PRODUCTS—Continued

PACK AND VALUE OF CANNED FISHERY PRODUCTS BY STATE

Source: U.S. Dept. of Commerce, NOAA, National Marine Fisheries Service.

Thousands of Standard Cases and Dollars—Figures Rounded

State/Area and No. of plants (1977)-1986		1979	1980	1981	1982	1983	*1984	1985	1986
New Eng. (20)-13[1]	Pack	2,157	1,841	2,261	1,753	1,370	1,462	1,622	1,354
	Value	70,622	64,352	80,572	66,433	52,517	58,167	67,955	53,497
Mid-Atlantic (26)-23...	Pack	2,814	2,874	3,256	3,897	4,200	4,493	4,806	6,782
	Value	74,248	77,382	85,785	97,347	97,905	106,882	117,568	143,121
New York (5)-3.....	Pack	108	149	145	99	101	34	44	(d)
	Value	4,776	6,046	6,277	4,663	4,769	2,698	2,919	(d)
New Jersey (12)-10...	Pack	1,387	1,388	1,478	1,727	1,621	1,852	1,927	3,765
	Value	40,843	41,697	43,122	48,377	47,164	54,446	54,036	78,067
Pennsylvania (3)-3...	Pack	1,319	1,337	1,532	1,938	589	554	619	894
	Value	28,629	29,639	35,032	42,491	12,640	12,245	15,091	17,065
Delaware (2)-3	Pack	(p)	(p)	(p)	(p)	1,889	1,875	2,216	1,932
	Value	(p)	(p)	(p)	(p)	33,332	34,757	45,522	44,733
Maryland (1)-1		.....	.....	.....	.....	(p)	(v)	(p)	(v)
Virginia (3)-2	Pack	(p)	(p)	101	133	(p)	178	(p)	191
	Value	(p)	(p)	1,354	1,816	(p)	2,736	(p)	3,256
S.E. & Gulf (26)-16 ...	Pack	4,452	4,828	3,843	3,977	3,424	2,866	2,161	2,780
	Value	59,645	87,530	65,195	64,719	73,048	58,444	38,650	52,209
NC (3)-3 & SC (2)-2...	Pack	112	206	145	131	139	77	51	50
	Value	5,533	9,489	7,389	7,073	7,425	5,654	2,730	3,190
Florida (2)-1		(l)	(cm)	(cm)	(cm)	(cm)	(cm)	(m)	(m)
Texas (0)-1.............		.....	.....	.....	.....	(m)	(m)	(m)	(m)
Louisiana (12)-7....	Pack	814	1,498	957	658	901	678	417	515
	Value	26,953	48,970	31,580	24,870	31,354	24,127	12,220	16,990
Mississippi (7)-4....	Pack	3,526	3,124	2,741	3,188	2,384	2,111	1,692	2,216
	Value	27,159	29,071	26,226	32,776	34,269	28,663	23,700	32,029
Midwest (5)-2[2]	Pack	4	5	67	203	94	92	55	(i)
	Value	97	352	745	2,638	1,177	1,165	913	(i)
West Coast (133)-120...	Pack	22,977	25,720	23,906	18,186	19,760	14,903	6,627	5,851
	Value	869,826	1,034,441	1,011,727	618,382	708,275	594,440	296,056	332,981
Alaska (62)-80	Pack	3,816	4,681	4,575	2,438	3,792	4,463	3,189	2,925
	Value	286,986	401,377	384,137	170,458	306,259	327,140	213,612	259,748
California (17)-5....	Pack	17,502	20,841	18,840	15,339	15,697	9,710	2,829	2,715
	Value	536,504	620,489	599,424	429,390	387,577	247,352	67,934	63,794
Oregon (11)-3	Pack	1,172	2	39	36	3	444	404	1
	Value	29,678	308	1,155	1,461	265	7,068	6,866	135
Washington (43)-19...	Pack	487	196	452	373	268	286	206	210
	Value	16,658	12,267	27,011	17,073	14,174	12,880	7,644	9,304
Islands (8)-7[3]	Pack	19,628	18,292	19,729	17,805	21,116	27,086	28,581	33,322
	Value	668,893	663,599	709,947	607,964	601,556	757,117	839,172	902,782
Total (218)-169.......	Pack	52,032	53,561	53,062	45,820	49,964	50,956	43,852	50,095
	Value	1,743,331	1,927,656	1,953,971	1,457,483	1,534,478	1,577,463	1,360,314	1,484,590
Total Fish &	Pack	36,988	37,072	39,162	31,761	35,882	37,534	33,320	38,054
Fish Spec.	Value	1,443,133	1,596,285	1,659,703	1,174,316	1,236,819	1,285,974	1,130,593	1,240,608
Total Shellfish	Pack	5,049	5,930	5,384	5,576	5,677	5,732	5,363	5,355
& Spec............	Value	149,882	185,663	159,706	151,119	156,785	149,558	138,718	143,605
Total-Human	Pack	42,037	43,002	44,546	37,337	41,558	43,266	38,683	43,408
Consumption......	Value	1,593,015	1,781,948	1,819,409	1,325,435	1,393,604	1,435,532	1,269,311	1,384,213
Total-Animal	Pack	9,995	10,559	8,516	8,484	8,406	7,690	5,168	6,687
Food & Bait.......	Value	150,316	145,708	134,562	132,048	140,874	141,931	91,003	100,377
TOTAL NO. PLANTS.....		163	168	186	193	175	180	186	169

---

[1] Number of plants: CT(0)-1; ME (18)-12; MA (2)-0. [2] Number of plants: MI (2)-2; WI (3)-1. [3] Number of plants: Hawaii (1)-0; Puerto Rico (5)-5; Amer. Samoa (2)-2. Data includes production and value of 2 plants in Michigan for 1986. (p) Included in PA. (d) Included in Delaware. (i) Included with Islands. (v) Included in VA. (m) Included in MS. (l) Included in LA. (cm) Florida east coast included with Carolinas, West Coast included in MS. *Totals revised. State and area data will not add to totals due to minor corrections not available by state to prevent disclosure of individual operations.

FACTORS USED TO CONVERT STANDARD CASES TO POUNDS (1943 to present): Salmon 48 lbs.; Sardines (Me.) 23.4 lbs. (20.3 lbs. 1942-1957); Shrimp (wetpack) 6.75 lbs. (15 lbs. 1952-1964); Tuna (solid) 19.5 lbs. (21 lbs. 1952-1984); (chunk) 19.5 lbs. (18 lbs. 1942-1951), Flake 18 lbs.; Clams (whole or minced) 15 lbs.; Clam Juice, Chowder, etc. 30 lbs.; Crabmeat 19.5 lbs. (39 lbs. 1941-1947); Mackerel 45 lbs.; Oysters 7 lbs. (14 lbs. 1948-1969).

U.S. TOTAL CANNED SALMON PACKS

NOTE—Data thru 1983 revised with the 1985 Almanac.

Thousands of Standard Cases, Basis 48 1-lb. Cans—Figures Rounded

1927	5,077	1936	8,965	1945	4,908	1954	4,163	1963	3,295	1972	1,935
1928	6,927	1937	7,555	1946	4,510	1955	3,289	1964	3,759	1973	1,495
1929	6,991	1938	7,280	1947	5,641	1956	3,505	1965	3,634	1974	1,829
1930	6,086	1939	5,992	1948	4,825	1957	3,207	1966	4,358	1975	1,555
1931	6,740	1940	5,605	1949	5,525	1958	3,732	1967	2,072	1976	2,611
1932	5,909	1941	7,832	1950	4,310	1959	2,466	1968	3,448	1977	2,827
1933	6,362	1942	5,835	1951	4,646	1960	2,912	1969	2,551	1978	3,095
1934	8,383	1943	5,704	1952	4,464	1961	3,697	1970	3,822	1979	3,100
1935	6,028	1944	5,139	1953	3,912	1962	3,837	1971	3,509	1980	4,166

TOTAL CANNED SALMON PACKS BY AREA

Thousands of Standard Cases and Millions of Dollars—Figures Rounded

	1978	1979	1980	1981	1982	1983	1984	1985	1986	†1987
Alaska										
Pack	3,082	3,049	4,131	4,310	2,263	3,746	4,104	3,143	2,880	n.a.
Value	220	253	371	362	165	304	316	212	258	n.a.
Other U.S. & Possessions										
Pack	13	52	35	166	72	28	40	168	73	n.a.
Value	2	5	5	18	9	3	5	15	7	n.a.
Total Salmon										
Pack	3,095	3,100	4,166	4,476	2,335	3,774	4,144	3,311	2,953	2,335
Value	222	158	376	380	174	307	320	228	265	221

CANNED SALMON PACK BY VARIETY BY AREA

Thousands of Standard Cases—Figures Rounded

	1978	1979	1980	1981	1982	1983	1984	1985	1986	†1987
CHINOOK OR KING										
Alaska	15	10	8	4	1	8	2	3	1	n.a.
Washington	(c)	3	1	13	(b)	(b)	(b)	1	n.a.	n.a.
Oregon	2	1	(b)	(b)	(b)	(b)	(b)	(d)	n.a.	n.a.
Total	17	14	9	17	2	8	3	3	2	2
CHUM or KETA										
Alaska	321	140	433	585	191	270	336	161	159	n.a.
Washington (f)	3	.....	(b)	(e)	1	(b)	(b)	(e)	(e)	n.a.
Oregon	.....	.....	.....	.....	.....	.....	.....	n.a.	n.a.	n.a.
Total	324	140	433	585	192	271	337	161	159	161
PINK										
Alaska	1,824	1,812	2,257	2,545	1,746	2,042	2,614	2,516	2,273	n.a.
Washington (f)	4	35	10	122	18	19	13	164	68	n.a.
Oregon	.....	.....	.....	(d)	.....	.....	.....	(d)	n.a.	n.a.
Total	1,828	1,847	2,267	2,668	1,764	2,061	2,627	2,681	2,341	1,444
RED or SOCKEYE										
Alaska	895	1,045	1,387	1,139	298	1,381	1,096	446	392	n.a.
Washington (f)	4	10	14	22	48	6	24	3	2	n.a.
Oregon	.....	.....	.....	.....	.....	.....	.....	n.a.	n.a.	n.a.
Total	899	1,055	1,401	1,161	345	1,387	1,119	449	395	704
SILVER or COHO										
Alaska	27	42	46	37	27	45	56	17	55	n.a.
Washington (f)	1	2	10	8	5	2	3	1	1	n.a.
Oregon	1	(d)	(d)	(b)	(b)	(b)	(b)	(d)	n.a.	n.a.
Total	28	44	56	46	32	48	[1]58	18	57	24
TOTAL ALL VARIETIES										
Alaska	3,082	3,049	4,131	4,310	2,263	3,746	4,104	3,143	2,880	n.a.
Washington (f)	11	51	35	166	72	28	40	168	73	n.a.
Oregon	2	1	(b)	1	(b)	(b)	(b)	(d)	n.a.	n.a.
Grand Total	3,095	3,100	4,166	4,476	2,335	3,774	4,144	3,311	2,953	2,335
NUMBER OF PLANTS PACKING SALMON										
Alaska	42	42	50	57	71	69	79	81	75	n.a.
Washington	14	13	15	18	18	9	10	8	8	n.a.
Oregon	6	4	3	4	4	4	4	4	3	n.a.
California	1	1	.....	.....	.....	.....	.....	.....	.....	n.a.
Amer. Sam. & P.R.	.....	.....	.....	.....	.....	.....	.....	2	1	n.a.
Total	63	60	68	79	93	82	93	95	87	n.a.

---

*Includes a small California pack. (a) Included with Silver or Coho. (b) Less than 500 cases. (c) Included with Chum. (d) Included with Washington. (e) Included with Chinook. (f) Includes all production outside of Alaska beginning 1985. n.a. - Not available at press time. † Preliminary.

[1] Includes small amount of steelhead.

U. S. PACKS OF CANNED TUNA AND TUNA LIKE FISHES

Thousands of Standard Cases — Basis 48 No. ½
Solid Pack 7 oz., Chunks 6½ oz., Flakes or Grated 6 oz.

1927	1,256	1936	2,681	1945	4,532	1954	10,889	1963	16,627	1972	31,547
1928	1,216	1937	3,145	1946	4,784	1955	9,938	1964	17,714	1973	32,640
1929	1,504	1938	2,754	1947	5,894	1956	11,834	1965	18,143	1974	33,758
1930	2,011	1939	3,643	1948	7,038	1957	11,903	1966	20,183	1975	27,462
1931	1,217	1940	4,188	1949	7,290	1958	14,205	1967	19,993	1976	30,468
1932	1,206	1941	2,932	1950	9,017	1959	14,389	1968	20,226	1977	28,134
1933	1,443	1942	2,485	1951	8,237	1960	15,320	1969	20,350	1978	35,816
1934	1,967	1943	2,696	1952	9,121	1961	15,927	1970	22,203	1979	31,478
1935	2,511	1944	3,560	1953	9,580	1962	17,050	1971	22,490	1980	30,733

Thousands of Standard Cases and Millions of Dollars

	1978	1979	1980	1981	1982	1983	1984	†1985	†1986	†1987
TUNA										
Pack	35,635	31,403	30,509	31,754	27,087	29,941	31,046	27,951	32,663	33,539
Value ($mil.)	1,273	1,104	1,144	1,180	918	859	872	821	882	1,018
TUNA LIKE FISHES										
Pack	180	76	224	272	83	n.a.	n.a.	n.a.	n.a.	n.a.
Value ($mil.)	3.7	1.6	5.5	6.4	2.1	n.a.	n.a.	n.a.	n.a.	n.a.
TOTAL TUNA and TUNA LIKE FISHES										
Pack	35,816	31,478	30,733	32,026	27,170	n.a.	n.a.	n.a.	n.a.	n.a.
Value ($mil.)	1,278	1,106	1,149	1,187	921	n.a.	n.a.	n.a.	n.a.	n.a.

n.a. - Not available.

TUNA PACKS BY KIND—AREA—STYLE—CAN SIZE

Thousands of Standard Cases

	1978	1979	1980	1981	1982	1983	1984	†1985	†1986	†1987
ALBACORE*										
Cont'l. U.S.	1,554	1,291	1,275	1,532	954	767	998	n.a.	n.a.	n.a.
Hawaii & U.S. Terr.	5,566	4,514	4,231	4,294	5,066	4,360	5,587	n.a.	n.a.	n.a.
Tot Albacore	7,120	5,805	5,506	5,826	6,020	5,127	6,585	6,772	8,070	7,174
LIGHTMEAT*										
Cont'l. U.S.	14,092	12,615	13,013	11,702	9,427	9,128	5,634	n.a.	n.a.	n.a.
Hawaii & U.S. Terr.	14,423	12,982	11,990	14,226	11,639	15,686	18,828	n.a.	n.a.	n.a.
Tot. Lightmeat	28,515	25,598	25,003	25,928	21,067	24,814	24,461	21,179	24,593	26,365
STYLE*										
Solid	7,269	5,835	5,134	5,440	7,023	4,635	6,052	6,381	7,613	7,422
Flakes & Grated	665	578	377	264	157	174	127	36	65	14
Chunks	27,701	24,990	24,998	26,050	19,908	25,132	24,866	21,534	24,985	26,103
BONITO										
Total (Calif.)	180	[3]76	[3]224	272	83	n.a.	n.a.	n.a.	n.a.	n.a.
CAN SIZE Thous. of actual cases										
12/4 lb.	1,065	881	n.a.	n.a.	n.a.	635	607	497	n.a.	P
48/1 lb.	1,154	4,638	n.a.	n.a.	n.a.	1,836	2,238	1,852	n.a.	P
48/½ lb.	24,484	21,753	n.a.	n.a.	n.a.	22,541	22,930	21,817	n.a.	P
48/¼ lb.	2,359	2,421	n.a.	n.a.	n.a.	2,099	1,932	1,770	n.a.	P
24/9¼ oz.	441	1,333	n.a.	n.a.	n.a.	1,947	2,112	583	n.a.	P
Other (conv. to Std.)	2,192	1,315	n.a.	n.a.	n.a.	157	160	150	n.a.	P
Total	31,696	32,341	n.a.	n.a.	n.a.	29,215	29,979	26,669	n.a.	P
NUMBER OF PLANTS PACKING TUNA										
California	7	7	5	5	6	4	.....	1	1	P
Oregon	3	3	1	3	3	3	3	2	1	P
Washington	3	3	5	4	3	3	.....	4	2	P
Puerto Rico	5	5	5	5	5	5	5	5	5	P
Other[1]	3	3	3	3	3	3	4	3	2	P
Total Plants	21	21	19	20	20	18	12	15	11	P

[1] Hawaii & American Samoa. In 1985 no plants packing in Hawaii but 1 plant packing in Rhode Island and 2 in American Samoa. In 1986 both plants in American Samoa. [3] Includes Yellowtail. n.a. - Not available. † Not strictly comparable with earlier years. Compilation of data for solid pack Albacore and Lightmeat changed from 21 lb. to 19.5 lb. standard cases. 1987 data preliminary. * Excludes Bonito. P - Not available at press time.

PACKS OF CANNED MEAT PRODUCTS†

Source: USDA, FSIS—Courtesy & Cooperation, American Meat Institute
Thousands of Pounds Processed Under Federal Inspection—Calendar year

	1978	1979	1980	*1981	1982	1983	1984	1985	1986	1987
Luncheon Meat. . .	278,572	278,501	271,320	259,798	221,599	205,722	182,885	157,329	163,355	149,364
Canned Hams. . . .	271,991	287,809	308,282	246,844	194,003	190,348	155,186	120,725	95,078	105,287
Hash Products . . .	84,984	80,640	83,525	72,832	74,353	87,807	96,690	69,072	107,753	99,566
Chili Con Carne. . .	335,717	333,621	343,395	312,262	312,223	329,296	309,561	302,902	317,240	353,736
Vienna Sausage. . .	116,035	98,050	89,643	96,736	84,952	90,792	86,763	80,513	89,492	111,506
Franks & Wieners in Brine	2,664	2,055	1,241	1,420	1,752	955	828	1,740	1,653	1,952
Deviled Ham.	15,350	12,746	11,692	12,291	10,802	9,746	8,142	8,718	8,097	9,310
Potted Products & Spreads	45,680	39,798	37,381	38,291	33,576	32,864	34,790	27,612	30,085	32,139
Tamales.	29,863	35,008	31,324	21,992	21,970	19,889	19,226	23,279	19,580	19,011
Sl. Dr. Beef.	4,810	3,715	3,025	2,878	3,257	3,536	2,772	1,374	1,749	2,101
Chopped Beef-Hamburger . (a)	8,277	1,677	7,229	12,126	11,836	11,566	12,535	11,707	11,705	10,836
Corned Beef. . . (a)	1,874	1,677	887	828	795	810	379	823	17,074	1,786
Meat Stew.	156,097	145,114	138,830	125,915	131,975	152,296	145,917	146,771	140,088	169,297
Pasta Meat Products	426,362	436,107	392,590	379,786	382,232	384,301	435,173	450,072	332,811	482,040
Misc. Sausage Products	28,181	26,728	23,986	27,045	21,922	21,115	20,936	16,537	11,304	16,170
Soups	789,291	741,884	678,918	569,071	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Vinegar Pickled Products	19,361	17,854	18,684	16,321	13,971	14,256	14,634	10,960	4,978	8,817
By Products, Not Pickled. . . .	4,613	7,256	4,592	3,097	2,850	3,192	2,913	2,278	2,025	2,439
Pork Pic./Loins. . .	15,673	12,645	23,374	15,132	8,016	22,315	16,996	7,387	1,863	4,011
Other-20% or More Meat.	175,631	169,105	179,685	133,303	126,051	162,812	171,372	123,072	122,161	101,985
Other-Less than 20% (ex. soup). . .	314,618	279,364	316,035	434,552	370,872	316,784	276,334	253,259	233,564	260,395
Total (million lbs.).	3,126	3,011	2,966	2,856	**2,029	**2,061	**1,994	**1,816	**1,711	**1,942

† Includes all government purchases. *53 weeks. **Excludes Soups.

PACKS OF SELECTED CONVENIENCE FOOD MEAT PRODUCTS

Source: USDA, FSIS—Courtesy & Cooperation, American Meat Institute
Thousands of Pounds Processed Under Federal Inspection—Calendar year

	1983	1984	1985	1986	1987
Pizza.	487,598	578,965	616,555	666,531	772,843
Pies.	223,021	214,971	331,214	319,232	209,612
Dinners.	237,725	284,798	206,524	268,690	214,383
Entrees.	453,296	458,751	624,164	578,468	425,535

SELECTED U.S. CANNED AND FROZEN SPECIALTY PACKS

Source: Table 6a 1967, 1972, 1977 and 1982 Census Reports. Quantities are in millions of actual cases, gallons, and pounds as indicated and represent all industry production. Value is given in millions of dollars. See other Census Tables, back of this Section.

	1967		1972		1977		1982	
	Pack	Value	Pack	Value	Pack	Value	Pack	Value
DRY BEANS, Total (cases)	**69.9**	**246.1**	**67.3**	**305.8**	**[1]75.0**	**556.5**	.....	**735.3**
Beans w/pork, incl. baked;								
48/8 oz. short & tall, etc.	3.0	12.1	3.1	15.6	2.1	18.5	1.7	21.1
48/1 pic., etc.	1.2	6.1						
24/300, 303, etc.	16.9	48.3	13.0	48.1	18.9	115.6	25.6	195.2
24/2, Jumbo, etc.	5.7	23.1	4.9	24.0	4.6	36.7	3.2	34.6
24/2½ (incl. qt., glass, etc.)	80.0	36.2	6.6	40.3	5.9	63.6	3.7	54.4
Other sizes, a/c	4.3	16.7	6.9	37.6	10.7	92.4	6.6	77.1
Beans with sauce, vegetarian style, incl. baked:								
24/300, 303, etc.	7.5	20.4	4.8	20.4	4.6	31.3	3.8	31.4
Other sizes, a/c	1.1	4.5	1.5	7.4	2.1	18.3	3.4	39.2
Beans, other dry, incl. chili con carne:								
24/300, 303, etc.	13.4	41.3	13.9	53.7	14.5	90.1	19.3	160.8
Other sizes, a/c	6.7	30.0	9.9	49.7	9.0	69.2	10.8	115.5
Dry beans (nsk) a/c	2.1	7.4	2.7	9.0	[1]2.4	20.7	.....	6.0
HOMINY (cases)	**2.5**	**5.3**	**2.4**	**6.8**	**2.3**	**9.9**	**1.6**	**10.3**
MUSHROOMS (cases 48)	**n.a.**	**46.3**	**n.a.**	**91.4**	**8.1**	**139.0**	**[1]12.0**	**128.3**
PICKLES & PICKLED PRODUCTS (gallons) Total	**207.4**	**260.6**	**239.3**	**362.5**	**n.a.**	**553.2**	**n.a.**	**694.5**
Finished cucumber pickles:								
Dill	49.1	63.9	67.3	113.4	[1]94.1	228.3	85.8	285.2
Sour	8.1	9.1	10.5	17.5	[1]9.5	35.7	[1]6.5	26.8
Sweet	27.3	48.2	35.4	77.4	[2]25.9	88.2	[1]27.4	108.7
Fresh pack, refrigerated, etc.	52.4	63.8	22.3	44.1	[2]16.6	41.9	20.3	69.7
Pickled products including mixes, relishes, etc.	37.8	53.7	35.0	66.0	43.4	94.1	[1]34.7	131.1
Unfinished pickles (salt stock)	21.7	8.5	[3]54.0	19.2	n.a.	25.4	21.0	22.8
Pickled fruits and vegetables nsk	32.7	21.9	[3]14.8	24.9	.....	39.6	.....	50.2
VINEGAR & CIDER (gallons)								
Vinegar	134.6	46.8	143.2	65.5	(a)	98.8	187.1	141.2
Cider	19.9	9.9	31.0	15.1	14.8	24.0	18.2	46.7
MEAT SAUCES (except tomato) (gallons)	**59.1**	**98.5**	**91.9**	**151.3**	**(a)**	**261.6**	**n.a.**	**540.0**
Prepared mustard	36.6	39.4	47.6	48.1	52.8	91.6	[1]50.6	138.7
Worchestershire, soy sauce, meat, vegetable, seafood, etc.	21.7	57.9	[3]42.6	96.6	[2]57.2	169.2	[2]99.9	401.0
Other except tomato	.8	1.2	4.1	6.6	(a)	.8	.....	.3
JAMS, JELLIES AND PRESERVES (pounds) Total	.....	**245.2**	.....	**280.3**	**(a)**	**396.9**	**(a)**	**603.0**
Jams & preserves, pure:								
Strawberry	118.5	35.1	118.0	40.3	114.0	61.1	[1]337.5	136.5
Other	289.7	81.7	302.9	87.7	221.6	107.9	209.5	167.4
Jellies, pure:								
Grape	166.8	38.8	185.9	42.7	198.9	76.5	216.5	138.3
Other	146.6	40.0	162.3	42.6	[1]187.2	83.0	[1]111.2	74.1
Jams & Jellies, imitation	40.0	6.0	48.3	10.1	S	5.6	D	D
Marmalades	14.8	3.8	18.3	4.4	S	9.3	D	D
Fruit Butter	39.3	6.9	24.4	5.2	22.8	8.4	25.2	12.1
Maraschino cherries (gals.)	4.9	21.7	5.4	28.9	3.9	29.2	[1]24.1	31.4
Jams, Jellies and preserves, nsk	.....	11.2	.....	18.4	(a)	16.1	(a)	10.8
PEANUT BUTTER (pounds)								
Consumer Sizes	387.3	150.1	510.7	234.3	541.8	403.1	641.2	723.7
Commercial-bulk	52.2	17.5	50.3	16.1	53.5	26.6	93.5	73.0
SIRUPS & MOLASSES (Pounds)	**959.7**	**138.8**	**845.5**	**167.3**	**n.a.**	**296.8**	**n.a.**	**360.9**
FRUITS, CANNED (cases)								
Olives, ripe & green ripe	n.a.	35.7	.....	55.1	[1]9.8	96.2	10.6	189.6
Pie mixes, canned fruit	7.7	40.8	9.2	44.9	8.0	82.6	15.9	128.0
Apple	1.3	5.8	1.5	6.7	1.5	12.8	3.4	34.9
Cherry	2.6	16.0	4.0	18.3	2.5	30.5	8.2	31.0
Peach	.7	3.9	.3	1.9	1.5	11.4	.7	10.3
Other fruit pie mixes	3.0	15.1	3.4	18.0	2.5	27.9	[1]3.6	51.8

(a) Not collected. [1] 10 to 19% estimated. [2] 20 to 29% estimated. [3] Over 30% estimated. n.a. - Not available. D - Witheld to avoid disclosure. S - Witheld data does not meet publication standards.

U.S. CANNED AND FROZEN SPECIALTY PACKS—Continued

	1967		1972		1977		1982	
	Pack	Value	Pack	Value	Pack	Value	Pack	Value
FRUIT JUICES (cases)								
Grape Juice:								
12/22.1 to 27 oz.	6.4	25.6	2.6	12.5	D	D	D	D
Other sizes a/c	n.a.	n.a.	11.8	39.9	D	D	D	D
Grapefruit-Pineapple blend	6.6	17.4	.4	1.3	.2	1.0	n.a.	n.a.
Prune juice	8.7	40.3	6.6	32.5	5.5	32.0	2.5	23.4
Quart glass	4.7	20.0	2.4	11.4	2.1	12.0	.8	8.0
Other sizes a/c	4.0	20.3	4.2	21.1	3.3	20.0	1.7	15.4
Nectars	3.3	10.4	4.8	16.7	6.1	33.6	1.6	13.1
MEATS, CANNED[2] (pounds)	**1,700.8**	**856.4**	**1,768.9**	**1,106.3**	**1,188.5**	**1,256.3**	**1,147.4**	**1,548.6**
Made in slaughtering plants	869.5	490.4	992.0	622.1	468.3	561.7	393.5	658.2
Made in meat processing plants & elsewhere	831.3	366.0	776.9	484.2	720.2	694.6	753.9	890.4
POULTRY, CANNED								
(except soups)(cases)	3.6	37.7	4.7	72.7	n.a.	n.a.	n.a.	51.3
48/10 oz. & under	.9	17.0	1.0	15.8	n.a.	n.a.	1.0	21.0
12/40 to 60 oz.	.6	5.3	.6	6.7	.5	11.5	.4	13.1
Other sizes	2.1	15.4	3.1	50.2	n.a.	50.4	n.a.	17.2
BABY FOODS (pounds)	.....	**246.3**	**n.a.**	**346.7**	**n.a.**	**401.3**	**n.a.**	**596.4**
Fruits	157.1	47.9	215.3	72.4	214.8	96.2	D	D
Meats	n.a.	n.a.	61.1	45.6	D	D	D	D
Vegetables	149.1	35.3	126.2	41.5	113.7	50.7	150.1	66.5
Desserts	169.6	50.4	199.4	64.6	D	D	151.4	65.6
Juices (cases)	9.4	19.7	9.8	28.4	13.1	65.2	20.1	115.8
Other canned	284.0	93.0	248.4	94.1	D	D	225.6	102.8
CANNED & CURED SEAFOOD (pounds)	**n.a.**	**421.1**	**n.a.**	**587.8**	**n.a.**	**1,025.5**	**n.a.**	**1,267.1**
Canned (except soups)	n.a.	307.6	n.a.	453.9	576.1	773.3	n.a.	907.7
Canned Seafood soups	n.a.	22.4	n.a.	41.9	133.5	65.8	151.1	90.4
Other Canned	n.a.	56.7	n.a.	64.4	n.a.	115.0	n.a.	n.a.
Cured Seafood	42.8	34.4	21.8	27.5	n.a.	71.5	n.a.	133.9
OTHER CANNED SPEC (cases)	**n.a.**	**698.3**	**n.a.**	**977.4**	**n.a.**	**1,404.2**	**n.a.**	**2,035.0**
Spaghetti without meat	n.a.	(b)	n.a.	(b)	n.a.	D	6.8	67.4
Mincemeat (pounds)	n.a.	(b)	n.a.	(b)	n.a.	D	7.4	8.5
Soups (except seafood), & canned specialties, nsk	n.a.	(b)	n.a.	(b)	n.a.	(b)	n.a.	(b)
FROZEN SPECIALTIES (pounds)	**2,524.7**	**1,021.3**	**3,673.8**	**1,742.6**	**n.a.**	**2,911.9**	**n.a.**	**4,417.2**
Pies & other Baked goods	626.0	208.9	994.2	387.5	n.a.	770.3	n.a.	1,292.5
Fruit & Custard Pies	402.0	101.5	621.8	169.3	693.2	346.2	658.5	391.2
Other baked (waffles, cookies, cakes, pastries) excl. bread & rolls	224.0	107.4	372.4	218.1	620.7	424.1	1,961.6	901.4
FROZEN DINNERS, BEEF, PORK, POULTRY PIES, NATIONALITY FOODS	**1,046.5**	**433.1**	**1,440.5**	**702.0**	**n.a.**	**1,297.7**	**n.a.**	**2,356.6**
Dinners	397.9	217.3	787.4	385.5	788.0	503.5	n.a.	1,160.4
Beef & Pork Pies	125.4	44.4	192.5	86.9	58.5	35.9	79.4	41.7
Poultry Pies	193.8	45.0	225.2	78.0	233.1	99.4	241.1	119.4
Nationality Foods	329.4	126.4	293.1	151.1	n.a.	639.5	1,123.8	1,023.2
Dinners, Pies, Nat. Fds. nsk	n.a.	n.a.	.8	.5	n.a.	19.3	n.a.	11.8
Other, ex. Seafood, (incl. soups)	697.3	247.4	890.0	492.5	1,229.5	718.2	789.2	624.3
Frozen Spec. nsk (companies 10 or more employees)[1]	335.1	124.0	304.3	140.0	n.a.	75.1	n.a.	79.9
Frozen Spec. nsk (companies less than 10 employees)[1]	21.3	7.9	44.8	20.6	n.a.	50.6	n.a.	63.9
FROZEN PACKAGED FISH (pounds)	**309.0**	**132.6**	**518.2**	**280.1**	**n.a.**	**744.4**	**n.a.**	**1,033.9**
Fillets & Steaks	136.7	52.2	151.0	74.2	n.a.	164.2	n.a.	301.1
Fish Sticks	69.5	28.9	144.4	81.0	(c)	(c)	D	D
Fish Portions	102.8	51.5	222.8	124.9	422.7	390.6	D	D
Other	n.a.	n.a.	n.a.	n.a.	n.a.	189.6	n.a.	n.a.
FROZEN PACKAGED SHELLFISH & OTHER SEAFOOD INCL. SOUPS (pounds)	**279.2**	**245.5**	**329.1**	**415.8**	**n.a.**	**887.6**	**n.a.**	**1,398.0**
Shrimp	166.0	165.6	193.0	274.4	n.a.	430.0	n.a.	763.3
Other, oyster, crab, etc.	61.3	52.0	81.3	98.3	n.a.	399.5	n.a.	541.4
Other, soups, stews, chowders, dinners, pies	51.9	27.9	54.8	43.1	n.a.	58.1	61.2	93.3

---

n.a. - Not available. [1] 20 employees in 1972, 1977, and 1982. [2] Except dog and cat food. Includes products containing 20% or more meat. Products containing less meat included in specialties above. (a)Included in other. (b) Included in total above. (c)Included in portions. D - Witheld to avoid disclosure.

U.S. FROZEN FRUIT AND VEGETABLE PACKS

Compiled by The American Frozen Food Institute

Thousands of Pounds

NOTE: Data represents calendar year production by final container size (after repack). Over the span of eight to ten years shown, there have been shifts in both regional production and containerization so that some overlap is inevitable. "Other Uses" appearing under size classification represent initially frozen vegetable weight going into combination vegetables, canned veg. and prepared foods. The occasional minus values shown in parentheses represent the amount of carryover that was repacked into smaller containers and/or imported product repacked in the U.S.

TOTAL UNITED STATES VEGETABLE PACKS*

1942	152,512	1950	587,101	1958	1,433,244	1966	3,364,386	1974	5,473,141
1943	207,872	1951	770,038	1959	1,626,601	1967	3,507,625	1975	5,212,966
1944	237,092	1952	895,719	1960	1,958,621	1968	3,857,840	1976	5,491,035
1945	307,977	1953	1,103,270	1961	2,116,041	1969	3,915,231	1977	6,245,809
1946	450,000	1954	974,628	1962	2,264,116	1970	4,316,731	1978	6,560,733
1947	346,208	1955	1,139,695	1963	2,322,376	1971	4,574,361	1979	6,875,159
1948	446,358	1956	1,533,038	1964	2,639,199	1972	4,874,561	1980	6,269,229
1949	563,499	1957	1,366,565	1965	2,933,108	1973	5,158,398	1981	6,972,328

*Includes potatoes beginning 1953. Vegetable mixes excluded 1965 and thereafter.

PACKS OF FROZEN VEGETABLES BY COMMODITY

Item	1980	1981	1982	1983	1984	1985	1986	1987
Artichokes	984	1,693	1,419	1,075	1,643	1,202	1,417	1,451
Asparagus	11,232	11,289	16,958	13,599	15,099	19,990	18,008	16,725
Beans, Green	235,182	248,193	285,029	255,832	260,043	281,469	256,716	252,750
Beans, Gr. Italian	16,855	15,443	20,355	19,954	22,665	24,511	25,430	24,819
Beans, Wax	8,744	9,227	8,283	7,387	8,487	10,034	5,386	4,379
Beans, Lima	85,908	88,840	123,722	113,217	122,479	117,057	100,855	102,350
Beans, Speck Butter	4,544	8,630	8,986	6,546	7,901	6,671	7,040	5,713
Broccoli	290,657	306,755	335,516	285,358	365,764	356,806	324,519	312,460
Brussels Sprouts	63,366	62,162	52,980	41,354	50,449	44,735	37,990	45,660
Carrots	191,151	269,845	296,679	212,500	255,585	254,586	270,363	294,596
Cauliflower	84,766	105,161	111,644	100,541	102,106	94,617	89,120	77,758
Celery	8,729	11,762	12,764	13,497	17,062	15,839	18,729	21,640
Collards	13,206	16,051	18,031	9,440	12,968	15,708	19,454	17,930
Corn, cut	270,531	313,982	455,714	367,272	323,977	360,297	364,891	433,158
Corn, on cob	258,567	305,390	378,629	293,947	349,666	423,326	391,954	406,859
Kale	4,292	4,788	4,727	2,894	3,335	5,167	4,175	4,792
Mixed Vegetables*	172,499	164,606	141,165	157,279	162,558	178,351	184,730	185,172
Mushrooms	14,708	22,074	23,443	24,539	24,457	28,669	32,410	37,372
Mustard Greens	7,465	13,011	8,516	7,998	8,508	11,222	11,768	11,556
Okra	41,698	43,774	54,339	46,038	54,579	51,815	73,160	70,472
Onion rings	116,363	119,786	135,522	107,429	117,376	91,895	127,592	139,622
Onions, other	39,718	40,088	46,822	35,208	39,106	50,113	57,866	48,399
Peas, blackeye	20,933	33,404	23,821	22,926	28,207	31,675	22,586	29,003
Peas, Green	315,577	333,888	404,830	354,480	423,740	485,985	373,605	400,231
Peas & Carrots*	33,208	33,249	29,539	31,238	31,998	34,887	36,436	37,063
Peas & Onions*	8,046	10,260	7,434	8,571	9,477	11,174	9,692	8,002
Peppers, Gr. & Red	15,367	16,147	12,940	24,523	25,586	20,922	22,958	23,043
Pumpkin & Sq.	23,000	37,806	24,897	17,759	15,824	20,734	22,319	30,393
Rhubarb	8,444	6,483	6,767	3,402	5,271	6,647	6,106	6,211
Spinach	169,298	183,646	150,667	143,205	171,249	174,802	157,119	171,208
Squash, Summer	36,737	46,833	65,179	62,738	66,467	67,458	75,994	70,999
Stew Vegetables*	16,947	14,366	13,908	14,361	19,877	20,201	19,536	18,346
Succotash*	6,736	6,600	6,578	6,037	5,479	6,841	7,083	7,011
Swt. Pot. & Yams	16,135	19,993	20,822	9,719	13,749	18,677	13,683	11,871
Turnip Greens	10,705	13,020	9,799	11,925	10,299	14,446	14,371	17,205
Turnips, Tur.Gr/Tur.	21,321	19,243	19,759	23,290	19,215	20,639	19,417	16,513
Misc. Veg.	9,890	7,682	14,411	7,208	5,252	3,144	6,399	8,291
Total Vegetables*	2,416,073	2,736,089	3,153,970	2,643,800	2,948,114	3,130,858	2,973,400	3,115,429
Tot. Potato Prod.	3,853,156	4,236,239	4,377,228	4,509,905	4,732,894	5,118,102	5,149,148	5,287,634
Tot. Veg. & Pot.	6,269,229	6,972,328	7,531,198	7,153,705	7,681,008	8,248,960	8,122,548	8,403,063

*Repack—Quantities of component products are included in the individual product figures of this table which represent first freezing. The figures themselves are Repacks not included in "Total Vegetables".

TOTAL FROZEN VEGETABLE PACKS BY REGION

Thousands of Pounds

	1980	1981	1982	1983	1984	1985	1986	1987
East	506,724	626,792	660,457	613,330	492,107	755,814	714,280	663,248
South	312,717	296,887	314,202	252,382	282,053	326,029	356,759	378,037
Midwest	677,385	893,206	1,036,259	1,067,808	1,134,522	1,280,342	1,345,198	1,297,447
West	4,772,403	5,155,443	5,520,280	5,220,185	5,772,326	5,886,775	5,706,311	6,064,331
Total US	6,269,229	6,972,328	7,531,198	7,153,705	7,681,008	8,248,960	8,122,548	8,403,063

EAST: Conn., Del., Me., Md., Mass., N.J., N.Y. and Pa. SOUTH: Ala., Ark., Fla., Ga., Ky., La., Miss., Mo., N.C., Okla., Tenn., Tex. and Va. Includes South Carolina beginning 1986. MIDWEST: Ill., Ind., Mich., Minn., Neb., No. Dak., So. Dak., Ohio and Wis. WEST: Calif., Colo., Idaho, Mont., New Mex., Ore., Utah, Wash. and Wyoming. Includes Arizona beginning 1984.

FROZEN ASPARAGUS PACKS IN THE U.S.

Thousands of Pounds—*Compiled by The Almerican Frozen Food Institute*

1942.....5,769	1948....18,321	1954....25,780	1960....40,026	1966....34,532	1972....33,574
1943.....9,619	1949....18,422	1955....28,669	1961....34,157	1967....32,460	1973....20,157
1944....12,339	1950....22,309	1956....37,674	1962....30,810	1968....34,355	1974....16,190
1945....20,638	1951....23,562	1957....31,201	1963....30,315	1969....23,033	1975....18,409
1946....28,316	1952....25,460	1958....24,365	1964....31,054	1970....25,925	1976....23,750
1947....10,737	1953....32,945	1959....32,739	1965....30,867	1971....29,959	1977....22,474

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
BY REGION										
Ea., So., MW	†	n.a.	n.a.	n.a.	†	†	n.a.	†	†	5,048
California	7,256	n.a.	n.a.	n.a.	8,107	4,652	n.a.	8,840	11,149	*11,677
Washington†	8,171	n.a.	n.a.	n.a.	8,851	8,947	n.a.	11,150	6,859	*
BY STYLE										
Spears	9,067	15,428	6,632	6,489	9,681	7,563	7,776	9,778	8,126	7,770
Cuts & Tips	6,360	8,561	4,600	4,800	7,277	6,036	7,323	10,212	9,882	8,955
SIZE CLASSIFICATION										
Retail	6,951	9,226	4,279	5,280	4,090	4,666	4,263	5,201	5,253	6,188
Food Service	7,233	13,431	5,933	6,006	11,502	8,134	8,168	9,102	6,781	5,327
Bulk	1,243	1,332	1,020	3	1,366	799	2,668	5,687	5,974	5,210
Total Pack	15,427	23,989	11,232	11,289	16,958	13,599	15,099	19,990	18,008	16,725

† Ea., So. & MW included in Washington thru 1986. *Beginning 1987 Washington included with California.
n.a. - Not available.

FROZEN GREEN BEAN PACKS IN THE U.S.

Thousands of Pounds—*Compiled by The American Frozen Food Institute*

1942....13,784	1948....49,583	1954...123,253	1960...148,751	1966...217,914	1972...243,576
1943....24,491	1949....58,524	1955...120,968	1961...170,256	1967...224,848	1973...267,852
1944....23,753	1950....65,529	1956...137,744	1962...154,368	1968...207,910	1974...239,872
1945....31,460	1951....81,650	1957...134,361	1963...156,320	1969...184,766	1975...208,185
1946....40,975	1952....87,438	1958...156,006	1964...173,794	1970...199,203	1976...179,353
1947....30,911	1953...114,781	1959...138,527	1965...177,218	1971...211,601	1977...230,248

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
PACK BY REGION*										
East & South	101,722	100,462	84,190	94,442	113,386	97,184	131,635	147,493	120,107	141,028
Midwest	29,172	25,173	24,229	30,011	30,783	32,367	(b)	(b)	(b)	(b)
Northwest	132,351	137,073	126,763	123,740	140,860	126,281	128,408	133,976	136,609	111,722
California	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
BY STYLE										
Regular cut	161,085	162,000	155,996	160,020	190,658	162,699	158,413	179,349	170,694	159,027
French cut	95,117	91,686	71,713	78,639	82,485	78,825	81,355	82,544	63,892	67,297
Whole[1]	7,043	9,022	7,473	9,534	11,886	14,308	20,275	19,576	22,130	26,426
SIZE CLASSIFICATION										
Retail	97,356	99,010	90,334	96,109	95,820	99,602	105,257	111,991	104,157	105,010
Food Service	50,652	51,265	45,493	48,188	54,600	56,387	51,994	50,242	53,496	53,328
Bulk	72,837	71,856	61,474	67,279	98,104	69,215	72,254	68,135	61,072	57,791
Subtotal	220,845	222,131	197,301	211,576	248,524	225,204	229,505	230,368	218,725	216,129
Other Uses**	42,400	40,577	37,881	36,617	36,505	30,628	30,538	51,101	37,991	36,621
TOTAL PACK	263,245	262,708	235,182	248,193	285,029	255,832	260,043	281,469	256,716	252,750
GREEN BEANS, ITALIAN										
Retail	4,310	6,225	3,557	3,886	5,423	4,158	5,479	6,776	7,363	7,132
Food Service	2,334	2,232	2,787	2,634	3,852	3,693	3,105	2,711	2,685	2,728
Bulk	6,665	5,799	3,766	5,011	5,125	9,097	11,052	10,115	11,140	11,860
Other Uses**	3,358	4,957	6,745	3,912	5,955	3,006	3,029	4,909	4,242	3,099
TOTAL PACK	16,667	19,213	16,855	15,443	20,355	19,954	22,665	24,511	25,430	24,819

*Some overlap from region to region. **Frozen product used for combination packs and/or canned and prepared foods. (a) Included in Northwest. (b) Included in East & South. [1] Some quantities may be repacked into other styles.

FROZEN GREEN BEANS*—SUPPLY—STOCKS MOVEMENT

Source: Economic Research Service, USDA; Packs, American Frozen Food Institute; Stocks, National Agricultural Statistics Service, USDA

MILLIONS OF POUNDS

July 1 to July 1	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
Carry-in 7/1	41.2	73.4	91.2	80.9	68.8	86.4	81.5	75.2	71.2	74.2
Pack	256.2	253.7	227.7	238.7	273.1	241.5	239.8	261.9	234.6	226.3
Packer Supply	297.4	327.1	318.9	319.6	341.9	327.9	321.3	337.1	305.8	300.5
Shipments 7/1-1/1	132.1	145.8	124.6	142.2	137.8	115.9	131.5	165.2	123.2	116.4
Stocks 1/1	165.3	181.3	194.3	177.4	204.1	212.0	189.8	171.9	182.6	184.1
Shipments 1/1-7/1	91.9	90.1	113.4	108.6	117.7	130.5	114.6	100.7	108.4	123.6
c/o Stocks 7/1	73.4	91.2	80.9	68.8	86.4	81.5	75.2	71.2	74.2	60.5
Shipments 7/1-7/1	224.0	235.9	238.0	250.8	255.5	246.4	246.1	265.9	231.6	240.0

*Stock figures include regular cut and French cut green only. Excludes whole style. Pack figures adjusted accordingly to reflect accurate movement.

FROZEN WAX BEAN PACKS IN THE U. S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Retail	1,344	2,104	1,126	1,451	1,548	1,436	2,046	1,912	1,685	2,121
Food Service	2,505	1,896	2,495	2,328	2,915	2,711	1,833	1,766	2,123	2,033
Bulk	1,923	5,112	3,372	4,684	2,759	2,369	4,012	5,855	920	225
Other Uses	1,706	1,517	1,751	764	1,061	871	596	501	658	(a)
TOTAL PACK	7,478	10,629	8,744	9,227	8,283	7,387	8,487	10,034	5,386	4,379

(a) Included in Bulk.

FROZEN LIMA BEAN PACKS IN THE U. S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

BABY LIMAS

1945	19,234	1951	44,147	1957	60,736	1963	61,707	1969	82,562	1975	85,670
1946	28,805	1952	52,405	1958	65,461	1964	60,823	1970	73,012	1976	43,854
1947	29,858	1953	64,390	1959	64,351	1965	81,425	1971	73,893	1977	92,154
1948	31,663	1954	60,726	1960	79,535	1966	89,693	1972	92,634	1978	81,145
1949	44,665	1955	58,232	1961	89,883	1967	85,687	1973	98,112	1979	82,775
1950	33,960	1956	67,978	1962	81,592	1968	84,579	1974	97,163	1980	52,788

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
BY REGION										
East, So& Midwest	14,306	11,469	8,976	15,575	18,144	17,803	24,039	21,359	19,644	17,166
Calif. & Northwest	66,839	71,306	43,812	51,909	73,637	67,359	58,946	63,208	52,000	58,233
SIZE CLASSIFICATION										
Retail	33,483	35,288	29,317	35,849	30,661	31,544	23,146	26,084	26,508	26,056
Food Service	12,197	11,582	11,295	8,837	12,680	11,498	7,899	9,532	10,722	12,455
Bulk	22,904	28,521	788	14,409	41,230	33,560	41,609	35,314	21,094	25,506
Subtotal	68,584	75,391	41,400	59,095	84,571	76,602	72,654	70,930	58,324	64,017
Other Uses	12,561	7,384	11,388	8,389	7,210	8,560	10,331	13,637	13,320	11,382
Total Baby	81,145	82,775	52,788	67,484	91,781	85,162	82,985	84,567	71,644	75,399

FORDHOOK LIMAS

1945	9,242	1951	63,873	1957	70,644	1963	56,000	1969	55,792	1975	50,245
1946	21,278	1952	61,521	1958	60,449	1964	55,665	1970	36,844	1976	24,973
1947	38,336	1953	74,205	1959	49,672	1965	64,102	1971	40,690	1977	45,204
1948	43,741	1954	68,948	1960	68,022	1966	62,224	1972	52,968	1978	38,110
1949	43,284	1955	59,465	1961	70,053	1967	63,950	1973	51,577	1979	41,498
1950	52,029	1956	75,560	1962	68,992	1968	66,513	1974	46,226	1980	33,120

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
SIZE CLASSIFICATION										
Retail	22,904	25,179	22,879	23,170	20,115	24,940	16,699	18,374	15,210	18,047
Food Service	5,504	7,512	4,842	4,831	5,501	4,545	4,587	2,731	3,705	4,512
Bulk	9,702	8,807	5,399	(6,645)	6,325	(1,430)[1]	18,208	11,385	10,296	4,392
Total Fordhook	38,110	41,498	33,120	21,356	31,941	28,055	39,494	32,490	29,211	26,951

[1] Deficit attributable to previous year carryover.

FROZEN BROCCOLI PACKS IN THE U.S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	3,223	1948	29,126	1954	62,004	1960	128,210	1966	158,586	1972	234,344
1943	4,882	1949	45,233	1955	96,240	1961	121,636	1967	166,730	1973	213,165
1944	6,840	1950	41,028	1956	118,287	1962	111,450	1968	172,959	1974	245,285
1945	11,656	1951	48,768	1957	80,452	1963	135,334	1969	153,784	1975	191,638
1946	25,789	1952	82,253	1958	109,679	1964	129,817	1970	185,157	1976	201,513
1947	9,117	1953	89,043	1959	103.215	1965	122,310	1971	189,600	1977	314,395

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
BY REGION										
Other States	11,431	n.a.	n.a.	18,055	31,666	24,999	35,389	19,074	26,357	26,435
California †	265,088	n.a.	n.a.	288,700	303,850	260,359	330,375	337,732	298,162	286,025
BY STYLE										
Cuts	82,707	106,874	102,853	110,541	125,334	102,371	140,579	147,085	138,666	135,040
Chopped	40,340	34,666	36,021	41,047	39,654	33,467	45,709	54,830	43,290	40,733
Spears[1]	153,472	157,078	151,783	155,167	170,528	149,520	179,476	154,891	142,563	136,687
SIZE CLASSIFICATION										
Retail	157,979	167,095	167,183	154,835	154,174	133,501	151,926	153,614	144,160	147,344
Food Service	76,169	80,362	72,346	95,733	96,042	104,182	115,331	114,414	108,210	113,764
Bulk	21,246	27,568	16,286	27,132	37,426	21,710	72,213	29,238	22,149	(616)[2]
Subtotal	255,394	275,025	255,815	277,700	287,642	259,393	339,470	297,266	274,519	260,492
Other Uses	21,125	23,593	34,842	29,055	47,874	25,965	26,294	59,540	50,000	51,968
TOTAL PACK	276,519	298,618	290,657	306,755	335,516	285,358	365,764	356,806	324,519	312,460

n.a.-Not available. † Includes Northwest 1980 and later years. [1] Some quantities may be repacked into other styles. [2] Deficit attributable to previous years' carryover and imported product repacked in the U.S.

FROZEN BROCCOLI—SUPPLY—STOCKS—MOVEMENT

Source: Economic Research Service, USDA; Packs, American Frozen Food Institute;
Stocks, National Agricultural Statistics Service, USDA

MILLIONS OF POUNDS

Calendar Year	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Stocks 1/1	109.3	94.5	103.3	97.2	84.1	107.2	70.8	92.8	84.5	105.1
Pack	276.5	298.6	290.7	306.8	335.5	285.4	365.8	356.8	324.5	312.5
Imports	n.a.	n.a.	23.9	27.8	31.9	33.6	65.4	77.1	117.2	194.8
Supply	n.a.	n.a.	417.9	431.8	451.5	426.2	502.0	526.7	526.2	612.4
Stocks 3/1	85.3	60.2	78.7	76.3	55.5	88.5	62.1	91.1	83.8	95.1
Movement 1/1 - 1/1.	n.a.	n.a.	320.7	347.7	344.3	355.4	409.2	442.2	421.1	497.6

n.a. - Not available.

FROZEN BRUSSELS SPROUTS PACKS IN THE U.S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	3,430	1948	10,526	1954	33,418	1960	39,261	1966	51,698	1972	55,845
1943	4,839	1949	23,455	1955	23,142	1961	40,057	1967	39,479	1973	56,836
1944	4,920	1950	22,439	1956	43,989	1962	40,334	1968	49,024	1974	53,729
1945	6,606	1951	22,476	1957	33,354	1963	42,272	1969	40,083	1975	54,422
1946	13,521	1952	22,454	1958	30,424	1964	47,476	1970	42,663	1976	44,845
1947	4,557	1953	40,802	1959	38,733	1965	37,339	1971	49,195	1977	56,642

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
SIZE CLASSIFICATION										
Retail	45,782	41,889	44,497	43,741	33,547	27,299	26,215	24,149	21,539	28,141
Other	25,379	19,464	18,869	18,421	19,433	14,055	24,234	20,586	16,451	17,519
TOTAL PACK	71,161	61,353	63,366	62,162	52,980	41,354	50,449	44,735	37,990	45,660

FROZEN CARROT PACKS IN THE U.S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	1,043	1948	15,393	1954	27,494	1960	72,100	1966	131,127	1972	165,879
1943	2,260	1949	12,751	1955	34,389	1961	60,271	1967	133,337	1973	231,688
1944	903	1950	13,338	1956	51,010	1962	79,422	1968	162,282	1974	248,081
1945	6,051	1951	10,573	1957	34,237	1963	69,773	1969	150,945	1975	165,869
1946	9,069	1952	22,269	1958	53,713	1964	63,947	1970	173,054	1976	181,277
1947	2,905	1953	29,332	1959	55,487	1965	109,538	1971	143,681	1977	263,769

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
BY REGION										
East, South & M.W.	35,980	31,324	40,882	66,743	72,658	73,456	69,104	53,986	68,209	83,906
Northwest	90,950	117,917	65,601	120,575	135,986	86,224	101,441	124,470	133,185	210,690
California	111,485	113,839	84,668	82,527	88,035	52,820	85,040	76,130	68,969	(a)
BY STYLE										
Chips & Diced	108,547	143,335	101,306	146,972	145,091	88,331	94,509	99,940	138,445	120,845
Sliced & Crinkle	68,139	73,765	56,779	70,892	86,406	69,843	89,505	84,604	72,036	78,558
Nuggets, Baby & whole	27,067	24,310	19,285	26,558	30,144	26,883	41,033	43,642	31,680	46,730
Shoestring	11,593	10,625	8,254	19,026	27,644	19,803	21,208	20,460	21,759	44,149
Chunks & other	23,069	11,045	5,527	6,397	7,394	7,640	9,330	5,940	6,443	4,314
SIZE CLASSIFICATION										
Retail	38,406	33,532	34,049	41,000	37,985	39,851	32,033	38,831	36,598	37,565
Food Service	21,093	17,936	18,368	21,203	19,590	20,466	22,003	23,841	26,413	29,559
Bulk	116,497	150,544	81,875	158,870	183,585	95,248	128,632	114,105	153,039	158,042
Subtotal	175,996	202,012	134,292	221,073	241,160	155,565	182,668	176,777	216,050	225,166
Other Uses	62,419	61,068	56,859	48,772	55,519	56,935	72,917	77,809	54,313	69,430
TOTAL PACK	238,415	263,080	191,151	269,845	296,679	212,500	255,585	254,586	270,363	294,596

(a) Included in Northwest.

FROZEN CARROTS—SUPPLY—STOCKS—MOVEMENT

Source: Economic Research Service, USDA; Packs, American Frozen Food Institute; Stocks, National Agricultural Statistics Service, USDA

MILLIONS OF POUNDS

Aug. 1 to Aug. 1	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
Carry-in 8/1	90.6	75.6	93.5	57.4	75.0	142.8	96.7	93.7	92.7	112.6
Pack	238.4	263.1	191.2	269.8	296.7	212.5	255.6	254.6	270.4	294.6
Packers Supply	329.0	338.7	284.7	327.2	371.7	355.3	352.3	348.3	363.1	407.2
Shipments 8/1-1/1	165.3	162.4	144.6	176.9	159.5	168.9	188.6	167.5	154.4	192.8
Stocks 1/1	163.7	176.3	140.1	150.3	212.2	186.4	163.7	180.8	208.7	214.4
Shipments 1/1-8/1	88.1	82.8	82.7	75.3	69.4	89.7	70.0	88.1	96.1	P
C/o Stocks 8/1	75.6	93.5	57.4	75.0	142.8	96.7	93.7	92.7	112.6	P
Shipments 8/1-8/1	253.5	245.2	227.3	252.2	228.8	258.6	258.6	255.6	250.5	P

P - Not available at press time

FROZEN CAULIFLOWER IN THE U.S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	1,200	1948	13,963	1954	17,088	1960	48,743	1966	53,985	1972	94,070
1943	2,513	1949	21,655	1955	40,086	1961	41,117	1967	50,971	1973	96,098
1944	4,821	1950	12,339	1956	47,159	1962	37,806	1968	67,566	1974	93,754
1945	7,391	1951	22,428	1957	22,690	1963	40,677	1969	69,744	1975	76,056
1946	13,237	1952	33,166	1958	33,251	1964	43,596	1970	59,782	1976	67,807
1947	5,354	1953	35,710	1959	33,566	1965	46,211	1971	67,659	1977	96,670

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
BY REGION										
California	96,771	76,957	66,369	85,370	85,339	71,779	72,062	60,250	64,631	51,244
Ea., So., NW.	30,742	24,173	18,397	19,791	26,305	28,762	30,044	34,367	24,489	26,514
SIZE CLASSIFICATION										
Retail	59,930	48,954	41,916	40,970	36,468	29,821	27,523	27,004	28,217	28,266
FS & Bulk	57,687	39,788	21,397	50,165	52,968	52,093	53,820	28,540	35,190	20,330
Subtotal	117,617	88,742	63,313	91,135	89,436	81,914	81,343	55,544	63,407	48,596
Other Uses	9,896	12,388	21,453	14,026	22,208	18,627	20,763	39,073	25,713	29,162
TOTAL PACK	127,513	101,130	84,766	105,161	111,644	100,541	102,106	94,617	89,120	77,758

FROZEN CORN-ON-COB PACKS IN THE U.S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	1,767	1948	10,324	1954	16,788	1960	11,320	1966	44,241	1972	133,064
1943	846	1949	17,563	1955	6,932	1961	12,000	1967	43,973	1973	166,830
1944	606	1950	10,069	1956	20,422	1962	16,873	1968	76,358	1974	152,330
1945	445	1951	8,772	1957	13,699	1963	11,748	1969	73,914	1975	183,381
1946	2,296	1952	14,186	1958	10,370	1964	27,757	1970	80,889	1976	187,582
1947	6,064	1953	17,217	1959	9,872	1965	40,337	1971	106,893	1977	265,183

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
BY REGION										
East & South	33,642	34,910	26,712	31,702	46,846	45,684	59,250	51,150	57,238	(b)
Midwest	87,996	66,114	78,199	107,790	96,828	60,148	93,285	120,110	130,376	176,696
West	185,441	168,398	153,656	165,898	234,955	188,115	197,131	252,066	204,340	230,163
SIZE CLASSIFICATION										
Retail	131,080	179,737	131,283	152,195	168,441	160,919	178,279	198,731	401,360	355,211
Food Service	93,062	109,378	109,646	84,331	133,404	109,905	130,034	186,036	(a)	(a)
Bulk	82,937	(19,693)	17,638	68,864	76,784	23,123	41,353	38,559	† (9,406)	51,648
TOTAL PACK	307,079	269,422	258,567	305,390	378,629	293,947	349,666	423,326	391,954	406,859

† Deficit attributable to previous years carryover and imported product packed in the U.S. (a) Included in Retail. (b) Included in Midwest.

FROZEN CUT CORN PACKS IN THE U.S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	9,369	1948	20,920	1954	78,212	1960	130,460	1966	300,165	1972	273,776
1943	21,450	1949	37,076	1955	70,041	1961	168,960	1967	316,100	1973	294,223
1944	20,983	1950	32,998	1956	118,153	1962	163,456	1968	334,549	1974	298,224
1945	25,551	1951	44,549	1957	112,917	1963	168,156	1969	289,268	1975	288,067
1946	42,427	1952	62,684	1958	111,039	1964	159,846	1970	216,097	1976	282,391
1947	26,559	1953	104,809	1959	121,013	1965	222,185	1971	226,835	1977	260,773

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
BY REGION										
East & South	21,857	20,701	22,007	23,493	37,150	42,031	48,848	51,676	42,406	(a)
Midwest	60,437	40,754	51,702	55,978	66,219	56,190	65,179	84,877	90,116	147,641
West	220,861	249,193	196,822	234,511	352,345	269,051	209,950	223,744	232,369	285,517
SIZE CLASSIFICATION										
Retail	118,443	121,027	116,020	132,999	133,417	144,817	130,890	166,185	145,843	158,425
Food Service	38,458	36,484	34,725	43,026	43,350	55,405	54,569	58,767	72,802	70,065
Bulk	106,482	113,440	81,177	101,498	243,169	127,689	95,217	87,542	108,924	163,272
Subtotal	263,383	270,951	231,922	277,523	419,936	327,911	280,676	312,494	327,569	391,762
Other Uses	39,772	39,697	38,609	36,459	35,778	39,361	43,301	47,803	37,322	41,396
TOTAL ALL	303,155	310,648	270,531	313,982	455,714	367,272	323,977	360,297	364,891	433,158

(a) Included in Midwest.

FROZEN SWEET CORN*—SUPPLY—STOCKS—MOVEMENT

Source: Economic Research Service, USDA; Packs, American Frozen Food Institute;
Stocks, National Agricultural Statistics Service, USDA

MILLIONS OF POUNDS

Aug. 1 - Aug. 1	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
Carry-in 8/1	124.4	154.8	120.3	54.8	64.0	192.3	124.5	120.5	137.0	167.4
Pack	610.2	580.1	529.1	619.4	834.3	661.2	673.6	783.6	756.9	840.0
Packers Supply	734.6	734.9	649.4	674.2	898.3	853.5	798.1	904.1	893.9	1,007.4
Shipments 8/1-1/1	252.7	291.6	291.0	320.9	339.8	310.9	323.4	393.5	403.1	440.9
Stocks 1/1	481.9	443.3	358.4	353.3	558.5	542.6	474.7	510.6	490.8	566.5
Shipments 1/1-8/1	327.1	323.0	303.6	289.3	366.2	418.1	354.2	373.6	323.4	P
c/o Stocks 8/1	154.8	120.3	54.8	(e)64.0	192.3	124.5	120.5	137.0	167.4	P
Shipments 8/1-8/1	579.8	614.6	594.6	610.2	706.0	729.0	677.6	767.1	726.5	P

*Corn-on-cob and cut corn combined. (e) Estimate. P - Not available at press time

FROZEN OKRA PACKS IN THE U. S.

Compiled by The American Frozen Food Institute

Production Chiefly in the South—Thousands of Pounds

1947	372	1953	12,285	1959	22,307	1965	30,365	1971	32,234	1977	41,551
1948	1,526	1954	7,756	1960	17,955	1966	38,327	1972	27,924	1978	46,295
1949	2,344	1955	13,647	1961	24,754	1967	47,465	1973	40,597	1979	33,305
1950	2,620	1956	13,084	1962	23,084	1968	30,485	1974	42,992	1980	41,698
1951	4,789	1957	17,071	1963	21,144	1969	38,250	1975	27,970	1981	43,774
1952	8,427	1958	15,767	1964	35,451	1970	44,168	1976	27,489	1982	54,339

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
BY STYLE										
Whole	14,067	8,732	8,224	10,387	6,446	4,884	14,885	6,824	6,618	10,923
Cut	32,228	24,573	33,474	33,387	47,893	41,154	39,694	44,991	66,542	59,549
SIZE CLASSIFICATION										
Retail	23,027	27,186	30,993	23,171	18,459	24,135	18,491	30,247	29,777	23,945
Other	23,268	6,119	10,705	20,603	35,880	21,903	36,088	21,568	43,383	46,527
TOTAL PACK	46,295	33,305	41,698	43,774	54,339	46,038	54,579	51,815	73,160	70,472

FROZEN ONION PACKS IN THE U.S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1967	23,433	1969	37,881	1971	75,882	1973	114,679	1975	121,101	1977	152,718
1968	34,621	1970	52,205	1972	110,672	1974	111,228	1976	148,963	1978	154,080

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
BREADED RINGS[1]										
TOTAL	65,739	70,140	63,104	80,398	80,120	51,071	55,211	39,392	68,892	75,428
FORMED RINGS										
3 to 8 ounce	3,040	4,570	2,501	2,025	7,232	12,605	21,820	*12,391	*37,431	*49,647
12 to 32 ounce	12,942	14,366	13,036	9,357						
2 to 20 pound	42,771	43,306	37,722	28,006	48,170	43,753	40,345	40,112	21,269	14,547
TOTAL	58,753	62,242	53,259	39,388	55,402	56,358	62,165	52,503	58,700	64,194
Total Rings	124,492	132,382	116,363	119,786	135,522	107,429	117,376	91,895	127,592	139,622
WHOLE, CHOPPED, ETC.[2]										
10 to 32 ounce	493	649	666	3,754	3,920	3,682	3,734	6,797	2,232	1,403
Polybags	8,454	10,175	5,508	4,185	4,080	6,907	7,562	5,475	6,337	4,914
3 to 20 lb.	2,328	2,604	6.015	3,122	3,256	3,527	1,599	7,206	5,666	4,684
Bulk	10,399	11,641	22,050	16,553	27,729	3,394	8,952	†18,843	†38,325	†29,219
Sub Total	21,674	25,069	34,239	27,614	38,985	17,510	21,847	38,321	52,560	40,220
Other uses**	7,914	9,788	5,479	12,474	7,837	17,698	17,259	11,792	5,306	8,179
TOTAL	29,588	34,857	39,718	40,088	46,822	35,208	39,106	50,113	57,866	48,399
ALL STYLES										
TOTAL	154,080	167,239	156,081	159,874	182,344	142,637	156,482	142,008	185,458	188,021

[1] Production chiefly in the Midwest. [2] Includes whole, chopped, sliced, pearl, strips, etc. Production chiefly in the West. † Includes 21-60 lb. *Includes poly bag. **Initial frozen vegetable weight going into combination (mixed) vegetables and prepared foods.

FROZEN BLACK-EYED (AND OTHER SOUTHERN*) PEAS

Compiled by The American Frozen Food Institute

Thousands of Pounds

1948	573	1953	6,431	1958	13,012	1963	15,639	1968	25,579	1973	41,974
1949	704	1954	5,698	1959	14,821	1964	23,452	1969	20,647	1974	30,881
1950	1,280	1955	10,227	1960	16,678	1965	26,037	1970	30,084	1975	21,745
1951	2,725	1956	6,737	1961	18,683	1966	29,780	1971	33,027	1976	31,368
1952	4,146	1957	11,624	1962	18,380	1967	44,236	1972	38,004	1977	36.054

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
BY TYPE										
Black-eyed	21,951	12,554	14,966	21,013	15,645	17,214	18,593	23,407	17,330	19,852
Other	15,030	8,545	5,967	12,391	8,176	5,712	9,614	8,268	5,256	9,151
SIZE CLASSIFICATION										
Retail	16,789	23,901	18,125	19,153	18,246	17,408	16,032	16,598	15,277	16,738
Other	20,192	†(2,802)	2,808	14,251	5,575	5,518	12,175	15,077	7,309	12,265
TOTAL PACK	36,981	21,099	20,933	33,404	23,821	22,926	28,207	31,675	22,586	29,003

*Includes crowder, field, lady, creme, purple hull, etc. †Deficit attributable to previous years carryover and imported product repacked in U.S.

FROZEN GREEN PEA PACKS IN THE U. S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	59,077	1948	118,977	1954	206,854	1960	295,227	1966	375,360	1972	340,075
1943	70,310	1949	113,273	1955	231,216	1961	346,069	1967	424,246	1973	387,749
1944	79,152	1950	152,275	1956	359,661	1962	356,857	1968	429,352	1974	416,682
1945	103,834	1951	195,541	1957	295,823	1963	344,784	1969	367,323	1975	400,587
1946	140,603	1952	203,726	1958	251,934	1964	336,931	1970	344,520	1976	340,366
1947	121,786	1953	226,664	1959	304,955	1965	443,289	1971	348,418	1977	333,954

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
BY REGION										
East & South	29,911	43,912	38,822	54,564	51,698	41,293	53,869	90,898	55,719	47,563
Midwest	44,144	54,463	43,016	44,300	78,374	60,236	73,220	118,229	100,895	110,960
Northwest	266,385	305,058	217,584	223,461	250,555	252,951	296,651	276,858	216,991	241,708
California	17,277	24,028	16,155	11,563	24,203					
SIZE CLASSIFICATION										
Retail	131,175	142,675	126,257	154,927	149,600	155,930	130,779	171,479	163,390	171,168
Food Service	49,252	62,923	54,027	61,720	50,375	57,234	63,031	65,082	67,761	64,054
Bulk	130,052	169,574	87,806	71,903	160,372	83,881	175,550	177,994	80,514	96,227
Subtotal	310,479	375,172	268,090	288,550	360,347	297,045	369,360	414,555	311,665	331,449
Other Uses	47,238	52,789	47,487	45,338	44,483	57,435	54,380	71,430	61,940	68,782
TOTAL PACK	357,717	427,461	315,577	333,888	404,830	354,480	423,740	485,985	373,605	400,231

FROZEN GREEN PEAS—SUPPLY—STOCKS—MOVEMENT

Source: Economic Research Service, USDA; Packs, American Frozen Food Institute;
Stocks, National Agricultural Statistics Service, USDA

MILLIONS OF POUNDS

June 1 - June 1	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
Carry-in 6/1	91.6	82.9	122.5	68.8	55.0	92.5	82.5	119.9	164.0	131.8
Pack	357.7	427.5	315.6	333.9	404.8	354.5	423.7	486.0	373.6	400.2
Packers Supply	449.3	510.4	438.1	402.7	459.8	447.0	506.2	605.9	537.6	532.0
Shipments 6/1-1/1	221.3	229.7	208.3	222.4	212.7	218.0	253.3	290.9	287.7	280.8
Stocks 1/1	228.0	280.7	229.8	180.3	247.1	229.0	252.9	315.0	249.9	251.2
Shipments 1/1-6/1	145.1	158.2	161.0	125.3	154.6	146.5	133.0	151.0	118.1	153.9
c/o Stocks 6/1	82.9	122.5	68.8	55.0	92.5	82.5	119.9	164.0	131.8	97.3
Shipments 6/1-6/1	366.4	387.9	369.3	347.7	367.3	364.5	386.3	441.9	405.8	434.7

P - Not available at press time

FROZEN POTATO PACKS IN THE U. S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1953	70,691	1959	371,048	1965	1,218.529	1971	2,565,118	1977	3,622,823
1954	85,256	1960	551,392	1966	1,459,634	1972	2,593,848	1978	3,848,810
1955	128,890	1961	579,162	1967	1,490,809	1973	2,691,072	1979	4,089,732
1956	189,685	1962	761,609	1968	1,736,055	1974	2,984,881	1980	3,853,156
1957	219,860	1963	861,537	1969	2,048,408	1975	3,000,983	1981	4,236,239
1958	269,462	1964	1,117,883	1970	2,404,389	1976	3,335,051	1982	4,377,228

	1980	1981	1982	1983	1984	1985	1986	1987
TOTAL BY REGION								
California	.....	11,607	9,267	8.534	20,855	12,813	10,060	(a)
Northwest	3,113,369	3,338,380	3,377,783	3,484,868	3,867,330	3,937,933	3,934,368	4,217,499
East, So. & MW	739,787	886,252	990,178	1,016,503	844,709	1,167,356	1,204,720	1,070,135
U.S. Total	3,853,156	4,236,239	4,377,228	4,509,905	4,732,894	5,118,102	5,149,148	5,287,634
TOTAL BY STYLE								
French Fries	3,182,351	3,577,940	3,662,379	3,817,151	3,943,433	4,383,629	4,420,557	4,539,795
Misc. Products	670,805	658,299	714,849	692,754	789,461	734,473	728,591	747,839
FRENCH FRIES								
Total Retail	597,423	562,258	540,596	476,670	498,534	538,663	483,598	531,135
Tot. Food Service	2,569,557	3,039,757	3,124,668	3,335,037	3,414,023	3,907,411	3,867,118	3,951,099
Tot. Bulk	15,371	†(24,075)	†(2,885)	5,444	30,876	†(62,445)	69,841	57,561
All French Fries	3,182,351	3,577,940	3,662,379	3,817,151	3,943,433	4,383,629	4,420,557	4,539,795

† Deficit attributable to previous years' carryover. (a) Included in East, So. & MW.

PUMPKIN AND COOKED SQUASH

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	2,633	1948	5,577	1954	13,036	1960	23,447	1966	19,697	1972	29,708
1943	8,344	1949	8,337	1955	17,863	1961	15,894	1967	23,298	1973	29,047
1944	10,002	1950	8,325	1956	24,158	1962	12,101	1968	24,672	1974	32,641
1945	7,354	1951	12,723	1957	13,151	1963	12,190	1969	26,091	1975	29,802
1946	10,009	1952	15,068	1958	18,007	1964	11,243	1970	27,241	1976	22,177
1947	5,190	1953	9,473	1959	15,705	1965	17,390	1971	28,470	1977	25,168

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
SIZE CLASSIFICATION										
Retail	12,254	11,955	9,944	17,249	9,533	8,126	6,677	7,901	9,492	10,009
Other	12,804	11,712	13,056	20,557	15,364	9,633	9,147	12,833	12,827	20,384
Total Pack	25,058	23,667	23,000	37,806	24,897	17,759	15,824	20,734	22,319	30,393

FROZEN SPINACH PACKS IN THE U. S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	16,575	1948	41,571	1954	66,901	1960	118,595	1966	142,931	1972	160,050
1943	24,648	1949	62,307	1955	110,347	1961	116,505	1967	153,228	1973	159,501
1944	31,947	1950	52,806	1956	104,511	1962	97,291	1968	153,960	1974	177,892
1945	36,721	1951	97,878	1957	102,130	1963	119,768	1969	107,182	1975	129,399
1946	38,185	1952	91,464	1958	97,472	1964	126,957	1970	145,694	1976	160,247
1947	23,279	1953	87,927	1959	121,904	1965	122,264	1971	156,991	1977	167,766

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
BY REGION										
East, South & MW.	12,714	13,756	8,598	28,112	26,907	27,153	38,733	42,548	46,042	53,742
West	134,675	167,523	160,700	155,534	123,760	116,052	132,516	132,254	111,077	117,466
BY STYLE										
Leaf	79,322	97,552	90,228	93,795	68,463	58,763	77,821	74,494	64,120	68,489
Chopped	68,067	83,727	79,070	89,851	82,204	84,442	93,428	100,308	92,999	102,719
SIZE CLASSIFICATION										
Retail	82,372	102,922	101,528	100,805	84,429	71,763	88,034	93,821	82,442	91,023
Food Service	60,899	74,039	65,657	79,989	60,230	66,460	71,603	72,144	68,406	70,071
Bulk	4,118	4,318	2,113	2,852	6,008	4,982	11,612	8,837	6,271	10,114
Total Pack	147,389	181,279	169,298	183,646	150,667	143,205	171,249	174,802	157,119	171,208

FROZEN SPINACH—SUPPLY—STOCKS—MOVEMENT

Source: Economic Research Service, USDA; Packs, American Frozen Food Institute; Stocks, National Agricultural Statistics Service, USDA

MILLIONS OF POUNDS

Mar. 1 - Mar. 1	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
Carry-in 3/1	30.0	19.1	30.3	33.1	40.7	28.7	25.2	26.9	33.7	28.4
Pack	147.4	181.3	169.3	183.6	150.7	143.2	171.2	174.8	157.1	171.2
Packer Supply ...	177.4	200.4	199.6	216.7	191.3	171.9	196.4	201.7	190.8	199.6
Shipments 3/1-1/1	137.8	141.6	146.4	153.6	138.8	129.6	151.1	149.1	144.9	148.8
Stocks 1/1	39.6	58.8	53.2	63.1	52.5	42.3	45.3	52.6	45.9	50.8
Shipments 1/1-3/1	20.5	28.5	20.1	22.4	23.8	17.1	18.4	18.9	17.5	11.4
c/o Stocks 3/1....	19.1	30.3	33.1	40.7	28.7	25.2	26.9	33.7	28.4	39.4
Shipments 3/1-3/1	158.3	170.0	166.6	176.0	162.6	146.7	169.5	168.0	162.4	160.2

P - Not available at press time

FROZEN SUMMER SQUASH PACKS IN THE U. S.

(All Types, Including Zucchini)

Compiled by The American Frozen Food Institute

Thousands of Pounds

1961	5,926	1965	10,987	1969	17,318	1973	26,343	1977	41,598
1962	8,022	1966	11,990	1970	18,953	1974	31,330	1978	43,826
1963	8,881	1967	10,467	1971	26,882	1975	27,906	1979	38,149
1964	6,316	1968	12,832	1972	28,494	1976	35,377	1980	36,737

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
SUMMER SQUASH										
Retail	3,403	3,728	2,971	2,197	1,984	2,692	3,523	1,696	2,853	2,131
Food Service	7,208	7,390	9,526	9,505	15,342	12,240	9,768	12,569	12,956	10,664
Bulk	1,892	2,706	3,030	2,508	3,980	5,878	6,989	9,902	12,895	10,636
Other Uses	.....	.....	2,959	984	605	230	6,810	(a)	(a)	(a)
TOTAL	12,503	13,824	18,486	15,194	21,911	21,040	27,090	24,167	28,704	23,431
ZUCCHINI										
Retail	3,041	2,748	2,014	2,035	1,682	2,024	3,741	3,256	4,732	3,670
Food Service	7,361	6,754	8,266	6,727	15,240	16,391	9,740	16,345	18,528	17,037
Bulk	16,676	9,993	2,015	18,968	18,229	17,469	18,281	15,207	19,314	22,289
Other Uses	4,245	4,830	5,956	3,909	8,117	5,814	7,615	8,483	4,716	4,572
TOTAL	31,323	24,325	18,251	31,639	43,268	41,698	39,377	43,291	47,290	47,568
ALL TYPES										
Retail	6,444	6,476	4,985	4,232	3,666	4,716	7,264	4,952	7,585	5,801
Food Service	14,569	14,144	17,792	16,232	30,582	28,631	19,508	28,914	31,484	27,701
Bulk	18,568	12,699	5,045	21,476	22,209	23,347	25,270	25,109	32,209	32,925
Other Uses	4,245	4,830	8,915	4,893	8,722	6,044	14,425	8,483	4,716	4,572
TOTAL ALL	43,826	38,149	36,737	46,833	65,179	62,738	66,467	67,458	75,994	70,999

(a) Included in bulk.

ODDS are
that you are
"borrowing" the
ALMANAC

Why not order
a copy of your
own or better
yet a crisp new one
for the "borrowee"

Box 866
Westminster,
Md. 21157
301-876-2052

FROZEN VEGETABLE MIXES

Compiled by The American Frozen Food Institute

Thousands of Pounds

The following vegetable mixes are reported separately and are not included in total industry vegetable production data which represents first freezing, including the mix components.

1971...185,039	1973...161,124	1975...188,470	1977...193,133	1979...221,279	1981...229,081
1972...190,771	1974...209,917	1976...164,575	1978...178,566	1980...237,436	1982...198,624

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
MIXED VEGETABLES										
Retail	83,397	91,632	102,999	93,180	82,633	97,973	96,535	100,123	101,677	99,672
Food Service	36,707	38,131	41,697	60,689	46,759	51,389	45,600	48,262	58,573	60,976
Bulk	1,771	28,397	27,803	10,737	11,773	7,917	20,423	29,966	24,480	24,524
Total	121,875	158,160	172,499	164,606	141,165	157,279	162,558	178,351	184,730	185,172
PEAS & CARROTS										
Retail	23,840	23,628	24,312	23,178	20,274	21,845	22,452	24,580	23,258	23,340
Food Service†	7,954	6,246	6,346	7,001	6,169	6,232	6,122	7,089	8,670	9,782
Bulk†	50	2,162	2,550	3,070	3,096	3,161	3,424	3,218	4,508	3,941
Total	31,844	32,036	33,208	33,249	29,539	31,238	31,998	34,887	36,436	37,063
PEAS & PEARL ONIONS										
Retail	2,116	4,555	4,341	6,236	4,179	5,729	5,651	6,714	6,111	3,590
Food Service	2,935	3,185	3,705	4,024	3,255	2,842	3,826	4,460	3,581	4,412
Total	5,051	7,740	8,046	10,260	7,434	8,571	9,477	11,174	9,692	8,002
STEW VEGETABLES										
Retail	13,331	15,728	15,624	13,295	12,121	12,230	15,921	17,216	17,221	16,831
Food Service	366	596	1,323	1,071	1,787	2,131	3,956	2,985	2,315	1,515
Total	13,697	16,324	16,947	14,366	13,908	14,361	19,877	20,201	19,536	18,346
SUCCOTASH										
Retail	3,977	4,637	4,341	4,112	4,032	3,700	3,385	4,308	4,447	4,547
Food Service	2,122	2,382	2,395	2,488	2,546	2,337	2,094	2,533	2,636	2,464
Bulk	.....	.....	.....	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Total	6,099	7,019	6,736	6,600	6,578	6,037	5,479	6,841	7,083	7,011
TOTAL ALL	178,566	221,279	237,436	229,081	198,624	217,486	229,389	251,454	257,477	255,594

† Beginning 1979, 20lb. containers previously included in Food Service are included in bulk. (a) Some containers over 20lb. included with Food Service. Generally Retail includes up to 40 oz. poly; Food Service from 2lb. carton thru 20lb.; Bulk over 20lb.

FROZEN VEGETABLE COMBINATIONS/OR BLENDS

Compiled by The American Frozen Food Institute

Thousands of Pounds

The following combinations are reported separately and are not included in total industry vegetable production data which represents first freezing, including the mix components.

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
CALIFORNIA BLEND (generally includes Broccoli, Cauliflower & Carrots)										
Retail	10,520	15,808	24,161	20,573	36,778	41,046	48,744	63,627	54,686	46,073
Food Service[1]	526	466	745	4,038	4,421	7,025	5,716	3,740	7,413	9,633
Bulk[1]	1,574	1,240	3,335	4,458	7,402	10,684	16,096	11,023	11,800	16,427
Total	12,620	17,514	28,241	29,069	48,601	58,755	70,556	78,390	73,899	72,133
ITALIAN BLEND (generally includes Cauliflower, Zucchini, Italian gr. beans & onions)										
Retail	8,500	15,939	12,364	13,841	11,785	15,176	16,170	22,516	19,680	17,829
Food Service[1]	2,734	908	3,730	4,145	3,546	5,655	5,637	1,100	2,580	3,772
Bulk[1]	2,580	2,339	3,255	2,940	4,758	7,314	8,260	7,873	6,994	6,345
Total	13,814	19,186	19,349	20,926	20,089	28,145	30,067	31,489	29,254	27,946
ORIENTAL BLENDS (generally includes Green Beans, Broccoli, Onions & Mushrooms)										
Retail	19,490	27,725	21,583	25,719	37,804	39,987	43,445	41,559	39,387	29,885
Food Service/Bulk	949	1,023	1,758	1,861	4,382	7,513	7,709	6,473	4,944	5,920
Total	20,439	28,748	23,341	27,580	42,186	47,500	51,154	48,032	44,331	35,805
WINTER BLEND (generally includes Broccoli & Cauliflower)										
Retail	5,782	10,319	16,722	9,604	15,656	21,622	22,379	29,614	27,327	24,806
Food Service/Bulk	1,411	1,613	2,566	3,779	4,469	4,974	6,496	8,350	14,393	5,087
Total	7,193	11,932	19,288	13,383	20,125	26,596	28,875	37,964	41,720	29,893
NORTHWEST BLEND (generally includes Corn, Green Beans, sl. Carrots & Peas)										
Total	n.a.	n.a.	n.a.	2,600	13,248	14,134	15,081	18,002	14,985	3,698
MISCELLANEOUS BLENDS										
Total	112,497	91,858	110,871	141,991	81,745	76,144	86,793	110,686	114,159	146,218
TOTAL BLENDS	166,563	169,238	201,090	235,549	225,994	251,274	282,526	324,563	318,348	315,693

[1] 20lb. included with Bulk. n.a. Not available.

TOTAL U.S. FROZEN FRUIT AND BERRY PACKS

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	194,643	1948	369,723	1954	522,990	1960	659,718	1966	663,570	1972	612,062
1943	187,267	1949	354,021	1955	659,787	1961	704,926	1967	641,813	1973	650,164
1944	323,886	1950	472,173	1956	694,327	1962	668,118	1968	728,457	1974	602,104
1945	427,038	1951	415,945	1957	671,374	1963	619,514	1969	678,283	1975	566,825
1946	519,093	1952	420,303	1958	610,387	1964	795,154	1970	620,688	1976	628,513
1947	343,520	1953	541,961	1959	617,576	1965	653,452	1971	665,478	1977	687,409

TOTAL FROZEN FRUIT AND BERRY PACKS BY REGION

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Northeast	54,407	59,114	64,046	49,980	60,724	45,695	54,403	52,384	96,622	99,408
South	(a)	(a)	(a)	13,504	12,803	(a)	(a)	(a)	(a)	(a)
Midwest	168,602	134,803	156,100	138,792	63,787	61,252	72,417	82,350	94,012	131,203
West	319,917	380,947	433,256	423,647	477,001	467,322	435,400	418,146	456,941	619,551
Total	542,566	574,864	653,402	625,923	614,315	574,269	562,220	552,880	647,575	850,162

NORTHEAST: Conn., Maine, Mass., New Jersey, New York, Pennsylvania, Rhode Island and Vermont. SOUTH: Alabama, Arkansas, Delaware, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia and West Virginia. MIDWEST: Illinois, Indiana, Michigan, Minnesota, Nebraska, Ohio and Wisconsin. WEST: Arizona, California, Colo., Hawaii, Idaho, Mont., Ore., Utah, and Wash. (a) Included in Northeast.

FROZEN FRUIT AND BERRY PACK BY COMMODITY

Product	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Apples	68,337	60,827	69,109	105,893	100,378	75,576	77,996	85,481	111,133	122,399
Apricots	11,814	16,941	10,409	13,606	16,766	14,077	16,565	11,770	14,308	22,227
Cherries, R.S.P.	126,300	116,300	129,009	85,848	*	*	*	*	*	(a)
Cherries, Sweet	18,362	13,262	10,776	14,209	17,206	17,303	13,282	10,262	14,404	21,332
Grapes & Pulp	4,529	2,264	2,178	2,901	8,442	10,006	(a)	4,715	(a)	(a)
Peaches	40,814	62,510	56,274	59,612	56,714	56,454	75,877	80,990	100,730	105,764
Plums & Prunes	2,774	5,649	6,195	4,348	5,631	2,646	3,436	4,400	4,354	657
Purees, Non Cit	16,338	12,251	8,913	13,128	20,268	16,169	15,645	24,655	29,424	39,749
Blackberries	19,579	14,823	20,874	16,997	16,283	14,581	11,130	12,681	12,955	21,027
Blueberries	27,992	31,485	36,426	50,141	46,464	43,528	54,835	54,506	77,754	69,153
Boysenberries	3,048	2,732	4,678	3,627	5,101	3,549	3,524	2,561	5,493	5,234
Currants	654	475	461	330	(a)	(a)	(a)	(a)	(a)	n.a.
Loganberries	2,089	1,276	1,905	1,552	1,665	2,223	1,018	775	1,133	1,016
Olallie berries	2,886	3,082	3,646	374	(a)	(a)	(a)	(a)	(a)	(a)
Raspberries, B	1,453	3,907	2,786	3,368	4,320	1,176	1,333	990	1,678	2,001
Raspberries, R	19,742	19,611	18,640	22,811	22,397	18,679	18,326	13,794	13,645	24,470
Strawberries	159,834	190,572	253,072	210,558	272,676	292,662	231,414	229,152	237,604	334,406
Misc. Fru & Ber	16,021	16,897	18,051	16,620	20,004	5,640	37,839	16,148	22,960	80,727
Total	542,566	574,864	653,402	625,923	614,315	574,269	562,220	552,880	647,575	850,162

(a) Included with Miscellaneous. *Due to lack of cooperation RSP Cherries removed from reports. n.a. - Not available.

FROZEN APPLE PACKS IN THE U.S.

Thousands of Pounds

1942	15,110	1948	27,552	1954	60,094	1960	69,853	1966	94,352	1972	130,377
1943	27,810	1949	52,268	1955	72,756	1961	80,117	1967	97,634	1973	135,086
1944	52,391	1950	48,013	1956	86,956	1962	65,874	1968	117,218	1974	99,180
1945	92,985	1951	28,772	1957	69,225	1963	75,429	1969	122,293	1975	89,704
1946	78,220	1952	37,649	1958	67,407	1964	86,893	1970	100,370	1976	118,759
1947	28,573	1953	42,356	1959	72,313	1965	93,392	1971	96,999	1977	97,204

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
BY REGION										
Northeast/South	11,188	11,529	13,882	21,191	37,101	21,446	21,351	21,750	44,532	45,974
Midwest	41,380	29,170	29,101	40,202	37,920	30,240	32,051	41,993	48,307	48,216
West	15,769	20,128	26,126	44,500	25,357	23,890	24,594	21,738	18,294	28,209
SIZE CLASSIFICATION										
20 lb. and less	4,437	5,310	8,545	4,261	6,080	11,118	11,235	14,890	29,223	8,572
25 to 28 lb.	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	22,938
30 lb.	44,091	34,240	41,760	67,208	72,255	44,420	43,667	19,765	45,812	49,450
32 to 60 lb.	6,937	4,173	3,352	7,103	4,058	4,750	3,574	3,132	19,580	23,155
I Q F	12,036	14,307	15,452	21,707	17,985	17,039	19,520	27,212	19,973	23,465
Barrels	836	2,797	(d)	5,614	(d)	[1](1,751)	(d)	20,482	[1](3,455)	[1](5,181)
Total Pack	68,337	60,827	69,109	105,893	100,378	75,576	77,996	85,481	111,133	122,399

(c) Included in 20 lb. and less. (d) Included in IQF. [1] Deficit attributable to previous year carryover.

FROZEN R.S.P. CHERRY PACKS IN THE U.S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	41,820	1948	87,798	1954	86,695	1960	129,029	1966	87,367	1972	145,408
1943	23,005	1949	70,989	1955	114,465	1961	186,440	1967	97,792	1973	109,368
1944	55,059	1950	104,459	1956	88,734	1962	137,293	1968	141,515	1974	137,976
1945	16,144	1951	99,282	1957	130,571	1963	81,644	1969	140,688	1975	126,073
1946	88,061	1952	61,867	1958	86,195	1964	202,522	1970	121,271	1976	84,113
1947	67,002	1953	115,242	1959	107,447	1965	146,355	1971	159,408	1977	154,600

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
BY REGION										
Northeast	15,139	8,999	8,146	12,789	21,470	16,466	10,545			
Midwest	99,850	57,511	134,040	100,948	80,356	98,002	60,416			
West	11,084	17,603	12,414	12,563	14,474	14,541	14,887			
SIZE CLASSIFICATION								Reports discontinued.		
15 lb. & less	1,546	595	1,510	(b)	(b)	(b)	(b)			
25 to 30 lb.	112,760	72,732	132,819	113,240	97,982	105,031	65,579			
31 lb & over*	9,833	10,786	20,271	13,060	18,318	23,978	20,269			
Barrels	1,934	(a)	(a)	(a)	(a)	(a)	(a)			
Total Pack	126,073	84,113	154,600	126,300	116,300	129,009	85,848			

*Includes I.Q.F. (a) Included in 31 lb. & over. (b) Included in 25 to 30 lb.

FROZEN PEACH PACKS IN THE U. S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	13,801	1948	13,598	1954	36,380	1960	72,928	1966	65,190	1972	46,316
1943	17,009	1949	23,235	1955	50,636	1961	60,774	1967	73,358	1973	81,388
1944	45,563	1950	25,791	1956	45,481	1962	53,570	1968	82,035	1974	59,058
1945	103,634	1951	32,380	1957	44,462	1963	65,607	1969	53,572	1975	40,273
1946	65,140	1952	35,454	1958	43,478	1964	76,250	1970	47,471	1976	65,101
1947	27,034	1953	32.171	1959	47,259	1965	59,453	1971	59,924	1977	69,323

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
BY REGION										
West	38,191	n.a.	n.a.	n.a.	54,356	n.a.	70,589	n.a.	n.a.	n.a.
Other	2,623	n.a.	n.a.	n.a.	2,358	n.a.	5,288	n.a.	n.a.	n.a.
SIZE CLASSIFICATION										
Retail	1,528	(a)	(a)	(a)	(a)	(a)	(a)	2,295	(a)	2,095
Food Service										
10 lb & less	5,294	8,824	7,518	8,542	8,509	9,290	9,693	13,085	15,911	10,940
30 lb	2,772	5,281	2,168	6,539	5,090	1,254	851	(b)	13,758	23,356
32 lb	5,254	13,490	12,069	11,184	12,519	14,347	14,522	14,085	15,266	6,680
Other	25,966	34,915	34,519	33,347	30,596	31,563	50,811	51,525	55,795	62,693
Total Pack	40,814	62,510	56,274	59,612	56,714	56,454	75,877	80,990	100,730	105,764

(a) Included with 10 lb. & less. (b) Included in 32 lb. n.a. - Not available.

FROZEN BLACKBERRY PACKS IN THE U.S.

(All varieties except Olallie Berries)

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	8,229	1948	9,745	1954	14,156	1960	26,970	1966	25,812	1972	21,164
1943	8,310	1949	15,186	1955	16,539	1961	22,562	1967	20,722	1973	8,249
1944	16,173	1950	8,973	1956	12,845	1962	22,532	1968	22,381	1974	21,107
1945	21,503	1951	14,574	1957	19,157	1963	20,675	1969	27,184	1975	20,892
1946	19,750	1952	10,628	1958	13,604	1964	23,851	1970	29,186	1976	22,774
1947	14,510	1953	17,966	1959	15,770	1965	23,251	1971	27,536	1977	23,352

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
SIZE CLASSIFICATION										
20 lb. & under	.....	.....	.....	.....	.....	.....	.....	1,921	1,546	1,549
28 & 30 lb.	4,624	3,140	8,987	6,077	6,056	3,660	1,456	3,383	1,701	3,394
I.Q.F.	4,777	2,261	2,804	6,805	6,438	5,004	4,854	3,309	6,282	13,190
Other	(a)	758	415	2,845	684	2,853	(b)	(b)	(b)	(b)
Barrels	10,178	8,664	8,668	1,270	3,105	3,064	4,820	4,068	3,426	2,894
Total Pack	19,579	14,823	20,874	16,997	16,283	14,581	11,130	12,681	12,955	21,027

(a) Included in Barrels. (b) Included in I.Q.F.

FROZEN BLUEBERRY PACKS IN THE U. S.

Thousands of Pounds

1942	1,716	1948	7,661	1954	20,971	1960	25,230	1966	35,403	1972	30,932
1943	2,700	1949	14,036	1955	21,020	1961	21,990	1967	31,828	1973	44,376
1944	4,963	1950	10,900	1956	19,639	1962	26,452	1968	27,750	1974	24,393
1945	7,829	1951	13,921	1957	24,446	1963	25,767	1969	37,663	1975	24,572
1946	10,240	1952	9,848	1958	15,982	1964	30,574	1970	21,836	1976	26,261
1947	5,407	1953	13,988	1959	16,393	1965	27,981	1971	30,441	1977	14,750

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
BY REGION										
Northeast*	19,777	16,671	16,202	21,372	26,427	21,747	30,013	29,133	43,402	40,839
Midwest	6,560	12,854	18,189	25,927	16,172	17,686	22,471	21,653	31,323	23,283
West	1,655	1,960	2,035	2,842	3,865	4,095	2,351	3,720	3,029	5,031
SIZE CLASSIFICATION										
10 lb. & less	1,167	1,367	877	2,860	3,652	3,422	5,545	6,359	5,360	6,733
20 lb.	319	1,082	672	766	(a)	(a)	(a)	3,656	11,879	9,609
30 lb.	13,683	17,019	21,994	31,981	34,888	35,237	46,116	27,795	52,474	44,751
Other (over 10 lb)	2,404	655	1,407	3,339	6,481	573	5,077	.....	10,559	12,325
I.Q.F.	6,453	7,472	9,759	6,231	4,079	4,814	7,469	16,412	16,615	18,308
Barrels	3,966	3,890	1,717	4,964	†(2,636)	†(518)	†(9,372)	284	†(19,133)	†(22,573)
Total Pack	27,992	31,485	36,426	50,141	46,464	43,528	54,835	54,506	77,754	69,153

(a) Included in "Other". *Includes small southern pack. † Deficit attributable to previous years carryover.

FROZEN RED RASPBERRY PACKS IN THE U. S.

Compiled by The American Frozen Food Institute

Thousands of Pounds

1942	14,206	1948	23,198	1954	23,502	1960	28,041	1966	31,575	1972	20,485
1943	14,608	1949	25,682	1955	25,730	1961	23,127	1967	27,394	1973	26,625
1944	13,117	1950	20,439	1956	9,184	1962	27,631	1968	23,078	1974	20,323
1945	13,255	1951	19,414	1957	30,365	1963	31,441	1969	27,657	1975	24,666
1946	23,905	1952	18,365	1958	24,463	1964	25,335	1970	25,409	1976	20,841
1947	25,401	1953	24,895	1959	24,691	1965	27,631	1971	24,467	1977	23,222

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
SIZE CLASSIFICATION										
Retail	4,042	4,051	3,149	3,852	4,739	4,504	4,665	6,860	3,141	5,058
Food Service	426	845	515	515	274	802	761	2,024	1,488	1,801
Bulk	15,274	14,715	14,976	18,444	17,384	13,373	12,900	4,910	9,016	17,611
Total Pack	19,742	19,611	18,640	22,811	22,397	18,679	18,326	13,794	13,645	24,470

FROZEN STRAWBERRY PACKS IN THE U.S.

Compiled by the American Frozen Food Institute

Thousands of Pounds

1942	63,776	1948	160,077	1954	221,446	1960	217,477	1966	236,492	1972	146,842
1943	29,829	1949	107,600	1955	272,970	1961	222,694	1967	213,340	1973	168,552
1944	34,826	1950	192,732	1956	312,293	1962	234,620	1968	213,275	1974	170,371
1945	36,917	1951	157,729	1957	259,262	1963	234,440	1969	178,693	1975	183,895
1946	78,059	1952	200,302	1958	261,529	1964	252,646	1970	201,572	1976	216,153
1947	109,036	1953	225,963	1959	248,227	1965	191,613	1971	199,399	1977	220,391

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
BY REGION										
South & Midwest*	6,944	6,698	14,814	7,195	4,225	7,315	3,451	5,983	6,442	4,305
Northwest	42,515	52,141	60,644	59,235	68,875	90,638	63,210	60,092	51,806	80,722
California	110,375	131,733	177,614	144,128	199,576	194,709	164,753	163,077	179,356	249,379
BY STYLE										
Whole	74,545	82,994	137,380	96,770	117,277	129,441	109,004	108,145	101,189	145,151
Sliced	85,289	104,578	115,692	113,788	155,399	163,221	122,410	121,007	136,415	189,255
Total	159,834	[1]187,572	253,072	210,558	272,676	292,662	231,414	229,152	237,604	334,406
SIZE CLASSIFICATION†										
Retail	55,423	61,268	66,675	49,126	66,457	55,852	58,988	54,003	46,936	55,119
Food Service	14,330	23,766	23,953	29,644	35,494	51,005	32,760	34,915	43,503	66,125
Bulk	90,081	105,538	162,444	131,788	170,725	185,805	139,666	140,234	147,165	213,162
Total Pack	159,834	[1]187,572	253,072	210,558	272,676	292,662	231,414	229,152	237,604	334,406

*Includes production in New York thru 1981. † 10 lb. packages are classified Bulk. [1] Totals revised. Revised breakdowns by Region & Size Classification not available. Breakdowns therefore do not add to revised totals.

FROZEN CONCENTRATED CITRUS JUICES(a)

Source: Florida Citrus Processors Association and American Frozen Food Institute.
Thousands of Gallons Concentrated (Unreconstituted) Basis

Year	Orange	Grapefruit	Lemon	Grapefruit Orange	Lemonade	Tangerine	Limeade
1948-49	12,196	116	n.a.	112	n.a.	n.a.	n.a.
1949-50	25,137	1,665	91	1,336	1,702	n.a.	n.a.
1950-51	34,938	188	205	245	3,437	n.a.	n.a.
1951-52	47,743	1,098	317	536	5,751	349	n.a.
1952-53	51,264	1,226	574	480	8,628	551	n.a.
1953-54	66,978	1,677	1,316	965	9,845	443	n.a.
1954-55	65,481	1,155	908	561	8,268	877	992
1955-56	69,592	2,542	854	954	10,388	619	1,320
1956-57	72,455	2,949	1,691	597	10,031	793	684
1957-58	64,000	3,330	233*	507	11,850*	141	438
1958-59	79,981	4,952	2,216	690	12,807	1,152	885
1959-60	77,999	1,639	1,150*	284	14,750*	324	845
1960-61	84,374	3,841	93*	256	8,450*	1,407	728
1961-62	115,866	3,163	n.a.	267	n.a.	1,370	822
1962-63	51,648	2,323	n.a.	53	n.a.	205	546
1963-64	53,674	2,573	n.a.	130	n.a.	1,146	1,196
1964-65	88,869	4,000	n.a.	70	n.a.	1,154	656
1965-66	76,695	3,971	n.a.	50	n.a.	715	590
1966-67	131,755	5,485	n.a.	29	n.a.	1,120	503
1967-68	83,697	1,814	n.a.	10	n.a.	582	983
1968-69	103,750	5,920	n.a.	36	n.a.	1,051	852
1969-70	124,947	4,294	n.a.	16	n.a.	785	1,345
1970-71	125,187	6,870	n.a.	18	n.a.	1,090	1,648
1971-72	134,229	8,798	n.a.	22	n.a.	1,220	1,498
1972-73	176,073	8,658	n.a.	3	n.a.	1,072	936
1973-74	171,846	9,026	n.a.	11	n.a.	1,019	1,530
1974-75	178,174	7,847	n.a.	4	n.a.	1,147	1,921
1975-76	186,265	9,316	n.a.	-	n.a.	1,111	1,307
1976-77	158,035	11,258	n.a.	-	n.a.	926	1,272
1977-78	161,203	13,692	n.a.	-	n.a.	1,671	1,853
1978-79	173,053	14,243	n.a.	-	n.a.	1,367	2,624
1979-80	231,257	19,443	n.a.	-	n.a.	2,142	1,851
1980-81	174,537	20,763	n.a.	-	n.a.	1,175	n.a.
1981-82	133,294	21,869	n.a.	-	n.a.	924	n.a.
1982-83	169,577	14,483	n.a.	-	n.a.	334	n.a.
1983-84	121,216	19,291	n.a.	-	n.a.	636	n.a.
1984-85	118,472	24,802	n.a.	-	n.a.	285	n.a.
1985-86	132,406	24,162	n.a.	-	n.a.	368	n.a.
1986-87	145,056	28,875	n.a.	-	n.a.	373	n.a.

*Trade estimate only - not verified. n.a.-Not available. NOTE: Prior to 1965-66, production was reported on a 42° Brix basis; on a 45° Brix basis 1966-67 thru 1979-80; on a 43.4° Brix basis in 1980-81; on a 42° Brix basis since 1981. (a) Not included in Fruit & Berry Pack totals.

NON-CITRUS CONCENTRATES AND JUICES(a)

Thousands of Gallons

1958	814	1964	2,843	1970	1,534	1976	2,512	1982	23,778
1959	1,911	1965	749	1971	2,088	1977	3,003	1983	26,022
1960	1,425	1966	735	1972	2,824	1978	6,005	1984	28,884
1961	1,625	1967	603	1973	2,518	1979	5,340	1985	20,826
1962	2,285	1968	431	1974	3,479	1980	6,311	1986	22,673
1963	4,136	1969	1,661	1975	4,389	1981	18,472	1987	13,359

(a) Not included in Fruit & Berry Pack totals.

FROZEN FRUIT AND BERRY—SUPPLY—STOCKS—MOVEMENT

Source: Economic Research Service, USDA; Pack data from American Frozen Food Institute; stocks, Statistical Reporting Service USDA; imports, Bureau of Census, U.S. Department of Commerce.

MILLION POUNDS

Items and season	Carryin	Pack	Imports	Total supply	Disappearance to Mar. 31	Stocks Mar. 31	Total season disappearance
Apples							
1980/81	36.0	69.1	-	105.1	28.2	76.9	65.1
1981/82	40.0	105.9	-	145.9	73.9	72.0	115.3
1982/83	30.6	100.4	-	131.0	63.7	67.3	94.1
1983/84	36.9	75.6	-	112.5	31.1	81.4	81.3
1984/85	31.2	78.0	-	109.2	45.6	63.6	77.2
1985/86	32.0	85.5	-	117.5	43.0	74.5	73.1
1986/87	44.4	111.1	-	155.5	81.4	74.1	114.5
1987/88	41.0	122.4	-	163.4	76.5	86.9	P
Apricots							
1980/81	5.4	10.4	-	15.8	11.5	4.3	12.9
1981/82	2.9	13.6	-	16.5	13.0	3.5	13.0
1982/83	3.5	16.8	-	20.3	14.4	5.9	16.7
1983/84	3.6	14.1	-	17.7	12.5	5.2	13.9
1984/85	3.8	16.7	-	20.5	14.1	6.4	15.8
1985/86	4.7	11.8	-	16.5	12.0	4.5	13.2
1986/87	3.3	14.3	-	17.6	15.1	2.5	16.4
1987/88	1.2	22.2	-	23.4	18.4	5.0	P
Cherries*							
1980/81	28.2	139.8	-	168.0	108.0	60.0	131.4
1981/82	36.6	100.0	-	136.6	90.2	46.4	108.1
1982/83	28.5	176.4	-	204.9	161.6	43.3	183.1
1983/84	4.9	17.3	-	22.2	12.7	9.5	16.1
1984/85	6.1	13.3	-	19.4	8.5	10.9	12.8
1985/86	6.6	10.3	-	16.9	5.8	11.1	9.8
1986/87	7.1	14.4	-	21.5	13.2	8.3	15.1
1987/88	6.4	21.3	-	27.7	18.2	9.5	P
Peaches							
1980/81	20.3	56.3	-	76.6	41.0	35.6	54.7
1981/82	21.9	59.6	-	81.5	43.7	37.8	56.6
1982/83	24.9	56.7	-	81.6	46.3	35.3	59.3
1983/84	22.3	56.5	-	78.8	51.7	27.1	65.1
1984/85	13.7	75.9	-	89.6	50.0	39.6	71.0
1985/86	18.6	81.0	-	99.6	74.1	25.5	90.3
1986/87	9.3	100.7	-	110.0	85.7	24.3	98.0
1987/88	12.0	105.6	-	117.6	61.4	56.2	P
Strawberries							
1980/81	103.3	253.1	76.0	432.4	325.1	107.3	327.1
1981/82	105.3	210.6	43.5	359.4	289.6	69.8	289.6
1982/83	69.8	272.7	35.5	378.0	286.6	91.4	291.1
1983/84	86.9	292.6	44.6	424.1	286.5	137.6	290.9
1984/85	133.2	231.4	61.4	426.0	306.5	119.5	313.6
1985/86	112.4	229.1	53.6	395.1	284.9	110.2	290.9
1986/87	104.2	237.6	79.9	421.7	321.2	100.5	280.7
1987/88	141.0	334.4	53.8	529.2	367.3	161.9	P

See footnote on following page.

FROZEN FRUIT AND BERRY—SUPPLY—STOCKS—MOVEMENT—*Continued*

MILLION POUNDS

Items and season	Carryin	Pack	Imports	Total supply	Disappearance to Mar. 31	Stocks Mar. 31	Total season disappearance
Blackberries							
1980/81	6.1	20.9	-	27.0	7.7	19.3	11.3
1981/82	15.7	17.0	-	32.7	15.5	17.2	20.2
1982/83	12.5	16.3	-	28.8	18.3	10.5	20.7
1983/84	8.1	14.6	-	22.7	15.6	7.1	18.1
1984/85	4.6	11.1	-	15.7	7.3	8.4	10.7
1985/86	5.0	12.7	-	17.7	8.4	9.3	11.1
1986/87	6.6	13.0	-	19.6	7.2	12.4	9.6
1987/88	10.0	21.0	-	31.0	15.0	16.0	P
Blueberries							
1980/81	18.0	36.4	5.7	58.1	40.3	17.8	50.1
1981/82	8.0	50.1	4.2	62.3	47.6	14.7	56.4
1982/83	5.9	46.5	6.0	58.4	39.1	19.3	49.1
1983/84	9.3	43.5	11.2	64.0	21.0	43.0	30.2
1984/85	33.8	54.8	11.1	99.7	64.6	35.1	79.6
1985/86	20.1	54.5	10.9	85.5	47.6	37.9	65.1
1986/87	20.4	77.8	10.2	108.4	75.9	32.5	90.4
1987/88	18.0	69.2	14.7	101.9	70.1	31.8	P
Raspberries							
1980/81	5.8	21.4	-	27.0	17.6	9.4	22.3
1981/82	4.7	26.2	-	30.9	22.1	8.8	26.0
1982/83	4.9	26.7	1.2	32.8	16.6	16.2	14.0
1983/84	18.8	19.9	4.2	42.9	29.3	13.6	32.9
1984/85	10.0	19.6	3.3	32.9	14.3	18.6	22.2
1985/86	10.7	14.8	9.5	35.0	19.2	15.8	22.6
1986/87	12.4	15.3	12.6	40.3	23.8	16.5	12.7
1987/88	27.6	26.5	3.1	57.2	30.6	26.6	P
Total							
1980/81	220.9	607.4	81.7	910.0	579.4	325.2	674.9
1981/82	235.1	583.0	47.7	865.8	595.6	270.2	685.2
1982/83	180.6	712.5	42.6	935.8	646.4	289.2	728.1
1983/84	190.8	534.1	60.0	784.9	460.4	324.5	548.5
1984/85	236.4	500.8	75.8	813.0	510.9	302.1	112.7
1985/86	210.1	489.0	74.0	773.1	484.3	288.8	522.7
1986/87	207.7	584.2	102.7	894.6	653.5	271.1	637.4
1987/88	257.2	722.6	71.6	1,051.4	657.5	393.9	P

[1] Season beginning May 1 for strawberries, June 1 for apricots, October 1 for apples and July 1 for all other items. [*] Excludes tart varieties beginning 1983/84. P - Not available at press time.

1982 CENSUS REPORT—Continued

In current prices, industry 2091 produced $1.2 billion of products primary to the industry and $697 million of secondary products and miscellaneous receipts.

Establishments in this industry accounted for 91 percent of products considered primary to the industry no matter where they actually were produced (coverage ratio). In 1977, the coverage ratio was 96 percent. The products primary to industry 2091, no matter in what industry they were produced, aggregate to $1.3 billion in current prices.

FRESH OR FROZEN PACKAGED FISH, SIC 2092 — This industry comprises establishments primarily engaged in preparing fresh and raw or cooked frozen packaged fish and other seafood, including soups. This industry also includes establishments primarily engaged in the shucking and packing of fresh oysters in nonsealed containers.

In the 1982 Census, Industry 2092 recorded employment of 37.5 thousand. The total value of production for establishments classified in this industry was $4.0 billion.

The employment figure was 9 percent above the 34.3 thousand reported in 1977. The leading States in employment in 1982 were Florida, Massachusetts, Virginia, and Alaska, accounting for approximately 45 percent of the industry's 1982 employment.

In current prices, industry 2092 produced $3.6 billion of products primary to the industry, $122 million of secondary products, and had $296 million of miscellaneous receipts.

GENERAL STATISTICS BY INDUSTRY—1958-1982—(From Table 1a Census Reports)

Census Year	Companies[1]	Establishments		All Employees		Production Workers			Value added by manufacture[2]	Cost of materials, fuels, etc.	Value of industry Production*	Capital expenditures, new	Gross Value fixed assets
		Total	With 20 employees or more	Number	Payroll	Number	Man-hours	Wages					
	(number)	(number)	(number)	(1,000)	(million dollars)	(1,000)	(millions)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)
Industry 2032 Canned Specialties													
1982	**171**	**198**	**88**	**23.4**	**392.4**	**19.0**	**37.0**	**297.6**	**1,769.3**	**2,372.0**	**4,140.8**	**154.3**	**n.a.**
1977	172	203	88	26.4	296.5	21.5	42.4	224.3	1,142.6	1,687.7	2,829.2	46.7	n.a.
1972	178	203	88	29.1	217.8	24.0	46.9	167.0	814.6	1,062.3	1,876.6	44.1	557.3
1967	150	175	83	27.2	157.3	22.4	45.0	115.1	602.1	760.5	1,361.9	28.1	412.7
1963	154	173	77	25.2	127.2	20.4	40.7	92.3	540.8	627.5	1,169.3	25.6	311.8
1958	n.a.	107	69	24.2	109.5	19.5	41.6	81.4	540.8	507.0	846.9	16.5	n.a.
Industry 2033 Canned Fruits and Vegetables													
1982	**514**	**715**	**451**	**70.5**	**1,040.1**	**60.7**	**113.6**	**822.4**	**3,552.7**	**5,768.1**	**9,283.4**	**264.1**	**n.a.**
1977	648	900	519	82.6	789.8	72.6	135.0	636.6	2,546.1	4,135.3	6,666.5	147.1	n.a.
1972	765	1,038	621	89.8	559.9	78.8	147.1	447.9	1,625.1	2,414.8	4,043.8	113.1	1,303.3
1967	930	1,223	732	100.0	473.8	88.9	174.0	376.0	1,413.3	2,065.4	3,467.8	101.9	1,053.4
1963	1,135	1,430	836	102.4	382.1	90.7	168.2	303.5	1,029.5	1,707.3	2,742.8	66.6	793.8
1958	n.a.	1,630	923	108.4	340.3	95.8	180.4	269.9	849.9	1,485.6	2,333.9	43.7	n.a.
Industry 2034 Dehydrated Fruits, Vegetables and Soups													
1982	**119**	**151**	**85**	**13.6**	**216.9**	**11.2**	**19.1**	**156.2**	**790.1**	**985.0**	**1,745.1**	**51.7**	**n.a.**
1977	143	184	87	14.4	153.9	11.7	22.1	111.5	485.9	685.3	1,142.4	52.5	n.a.
1972	133	178	88	12.4	84.3	10.6	19.8	63.0	235.7	351.7	607.3	18.9	208.8
1967	134	178	81	11.1	58.0	9.4	18.1	44.0	167.7	255.2	420.8	14.6	140.9
1963	126	176	80	9.2	41.7	7.8	15.3	31.2	115.8	208.9	318.7	16.2	84.8
1958	n.a.	161	67	7.6	28.3	6.6	12.8	21.8	75.5	188.2	273.3	6.7	n.a.
Industry 2035 Pickles, Sauces, Salad Dressings													
1982	**327**	**376**	**156**	**22.0**	**371.5**	**17.4**	**33.3**	**260.8**	**1,736.9**	**2,532.7**	**4,268.8**	**67.5**	**n.a.**
1977	380	438	168	23.5	250.2	18.9	35.7	184.9	986.5	2,003.8	2,996.5	52.3	n.a.
1972	429	495	191	20.8	146.2	16.6	32.4	102.2	428.0	738.7	1,166.7	43.4	285.1
1967	479	527	182	19.8	100.5	16.2	31.7	72.0	295.5	526.6	818.9	14.9	196.8
1963	541	588	184	19.0	83.7	15.4	29.9	58.3	249.4	427.6	677.3	11.0	201.8
1958	n.a.	619	205	19.5	70.5	15.6	29.8	48.5	164.6	361.5	525.3	11.2	n.a.
Industry 2037 Frozen Fruits and Vegetables													
1982	**195**	**264**	**199.9**	**47.7**	**643.5**	**41.5**	**77.1**	**506.7**	**2,408.6**	**2,970.1**	**5,374.6**	**235.7**	**n.a.**
1977	187	260	193	46.8	425.9	41.5	78.5	344.7	1,322.5	1,972.0	3,297.5	87.7	n.a.
1972	136	209	191	42.8	261.2	37.6	74.5	208.8	694.6	1,150.4	1,848.8	57.8	579.8
†1967	n.a.	607	362	64.3	293.9	56.2	110.3	221.1	759.3	1,306.5	2,066.3	75.1	650.2
†1963	n.a.	650	346	51.8	202.4	44.7	86.7	154.4	550.2	999.5	1,548.7	44.6	409.8
†1958	n.a.	426	263	39.5	126.8	34.1	66.3	96.9	323.8	702.9	1,025.9	21.0	n.a.
Industry 2038 Frozen Specialties													
1982	**319**	**389**	**251**	**42.4**	**650.7**	**32.6**	**63.1**	**428.5**	**2,066.2**	**2,966.5**	**5,033.9**	**160.5**	**n.a.**
1977	330	394	208	41.0	419.8	32.5	63.4	290.9	1,217.7	2,187.5	3,404.4	84.1	n.a.
1972	388	435	211	38.3	264.1	31.8	61.5	190.1	716.3	1,221.3	1,935.5	81.0	516.7
Industry 2091 Canned and Cured Seafoods													
1982	**170**	**204**	**107**	**13.9**	**194.9**	**12.1**	**21.1**	**150.6**	**613.4**	**1,235.3**	**1,849.1**	**20.5**	**n.a.**
1977	215	255	118	16.0	147.0	13.8	25.0	113.4	441.0	1,000.4	1,440.6	28.1	n.a.
1972	258	310	139	16.0	99.0	14.0	24.0	75.0	231.4	580.6	809.8	15.5	136.0
1967	268	320	161	15.8	69.1	14.0	23.6	54.8	181.0	342.0	523.1	9.4	114.2
1963	345	405	196	17.3	66.2	15.5	25.5	52.6	174.6	277.8	452.5	6.3	95.8
1958	n.a.	411	210	17.1	58.1	15.4	25.1	47.5	130.6	258.1	388.6	3.5	n.a.
Industry 2092 Fresh or Frozen Packaged Fish													
1982	**697**	**783**	**433**	**37.5**	**408.6**	**32.5**	**55.5**	**303.8**	**966.7**	**3,040.0**	**4,009.1**	**62.2**	**n.a.**
1977[2]	908	980	406	34.3	260.8	29.6	49.7	188.9	700.9	1,962.9	2,664.9	56.8	n.a.
1972	470	518	256	25.0	129.6	21.8	37.7	93.8	287.5	798.1	1,084.4	17.8	162.1
1967	n.a.	497	241	21.4	77.2	19.4	32.8	60.0	164.9	393.8	557.4	8.7	n.a.
1963	528	547	255	20.1	56.5	17.9	32.1	44.6	118.5	272.7	391.2	6.1	53.6
1958	n.a.	446	226	17.6	41.4	15.6	26.2	32.3	83.5	226.9	310.1	3.7	n.a.

[1] For the Census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

[2] Not comparable with earlier years. See text "Description of Industries". n.a.-Not available. *Reflects value not only of primary activities of the establishments, which determine their industry classification, but also all secondary activities performed in the same establishments. Value of shipments (not production) reflected in figures for Industry 2034. † Old SIC basis, includes industry 2038 Frozen Specialties.

CENSUS REPORT—SELECTED STATES—1982 & 1977 TABLE 2

Industry 2032 Canned Specialties

State	1982											1977	
	Establishments		All Employees		Production Workers			Value added by manufacture	Cost of materials	Value of Production	New Capital expenditures	All employees	Value added by manufacture
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	number (1,000)	(million dollars)
U.S....	**199**	**88**	**23.4**	**392.4**	**19.0**	**37.0**	**297.6**	**1,769.3**	**2,372.0**	**4,140.8**	**154.3**	**26.4**	**1,142.6**
CA....	41	20	3.9	70.2	3.2	5.9	52.6	238.4	359.6	599.2	8.5	3.8	179.4
IL.....	13	8	1.1	18.4	.9	1.6	13.5	62.0	86.8	148.7	2.0	2.0	65.1
IN....	7	5	1.7	25.7	1.4	3.1	21.6	101.6	151.0	252.2	2.4	2.3	75.2
NY....	11	5	1.1	15.4	.8	1.5	9.8	84.1	72.1	155.7	2.6	1.7	74.4
NC....	4	4	.8	12.2	.6	1.2	9.0	83.9	80.3	164.2	(D)	C	(D)
PA....	6	3	3.5	64.0	3.0	5.7	51.3	288.5	252.6	540.9	10.0	3.6	148.1
TX....	12	8	2.1	33.1	1.6	3.2	23.4	191.3	295.1	486.4	7.8	2.9	122.3

OTHER STATES - Limited data available, see notes at bottom of page.

AZ 4-2-B CO[1] 8-2-A IA 4-3-B ME 2-1-B MI 5-2-C OH 9-3-E TN 8-2-C
AR 3-3-C ID 1-1-B KS 1-1-A MD 2-1-A NJ 7-3-E SC 2-1-B WI 4-3-A

Industry 2033 Canned Fruits and Vegetables

State	1982											1977	
	Establishments		All Employees		Production Workers			Value added by manufacture	Cost of materials	Value of Production	New Capital expenditures	All employees	Value added by manufacture
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	number (1,000)	(million dollars)
U.S....	**715**	**451**	**70.5**	**1,040.1**	**60.7**	**113.6**	**822.4**	**3,552.7**	**5,768.1**	**9,283.4**	**264.1**	**82.6**	**2,546.1**
AR....	11	7	.6	5.5	.6	1.2	4.8	9.8	37.2	47.7	.7	1.2	27.5
CA....	131	94	21.6	388.9	19.1	35.0	326.8	1,176.2	1,791.6	2,948.0	102.9	25.9	801.2
FL....	40	17	4.5	67.3	3.5	7.4	47.3	264.0	583.1	838.3	20.6	4.7	188.5
HI....	9	4	3.1	33.6	2.3	4.3	27.7	89.3	125.2	214.5	7.2	3.4	87.1
IL.....	23	13	1.5	23.1	1.2	2.6	16.7	67.3	133.5	200.6	6.8	1.6	41.3
IN....	19	11	.6	8.3	.5	1.1	6.0	21.0	54.1	75.1	3.9	1.1	27.6
LA....	8	8	.8	8.2	.6	1.0	5.8	26.6	36.0	62.6	.5	1.2	9.2
MA....	9	5	.3	4.7	.3	.5	3.2	11.5	30.5	42.0	.6	.6	24.9
MI....	36	23	2.1	29.6	1.7	3.7	21.5	114.8	208.3	325.1	10.9	2.4	57.4
MN....	19	16	2.3	26.7	2.1	3.7	21.4	94.5	144.9	239.4	7.8	3.1	129.0
NJ....	19	13	1.3	24.5	.9	1.9	16.0	126.1	183.1	310.6	6.9	1.4	55.3
NY....	49	38	4.4	65.2	3.5	7.0	44.0	310.5	455.8	763.6	23.7	4.0	169.6
OH....	33	20	2.8	46.3	2.5	4.4	37.7	169.7	303.8	472.0	5.7	2.7	161.6
OR....	21	13	1.6	21.9	1.5	2.4	18.6	56.8	73.7	130.4	4.9	3.6	63.9
PA....	26	21	3.2	44.2	2.6	5.1	32.5	155.5	311.8	466.1	9.3	4.0	114.7
TN....	9	5	.5	4.5	.4	.6	2.3	21.8	28.0	49.8	1.9	.6	9.0
TX....	22	14	2.1	31.3	1.9	4.3	23.1	104.9	175.5	280.4	7.4	1.5	39.5
VA....	19	10	1.7	17.5	1.6	2.7	14.4	49.3	86.5	134.6	(D)	1.6	28.8
WA....	24	18	2.8	36.0	2.5	4.2	30.3	139.5	214.0	356.5	8.5	3.0	96.7
WI....	65	52	6.0	72.2	5.5	9.6	59.7	238.9	355.4	585.9	14.4	7.4	213.4

OTHER STATES - Limited data available, see notes at bottom of page.

AL 1-1-A GA 12-7-C IA 2-1-E ME 6-4-A NC 6-4-B
DE 8-4-E ID 4-4-C KY 4-2-B MD[1] 30-8-C WV 3-2-B

Industry 2035, Pickles, Sauces and Salad Dressings

State	1982											1977	
	Establishments		All Employees		Production Workers			Value added by manufacture	Cost of materials	Value of Production	New Capital expenditures	All employees	Value added by manufacture
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	number (1,000)	(million dollars)
U.S....	**376**	**156**	**22.0**	**371.5**	**17.4**	**33.3**	**260.8**	**1,736.9**	**2,532.7**	**4,268.8**	**67.5**	**23.5**	**986.5**
CA....	59	24	3.3	58.7	2.7	4.9	42.8	247.8	368.3	615.9	8.6	3.3	190.2
GA....	9	6	1.5	25.8	1.1	2.2	16.2	117.3	192.8	311.0	2.9	1.6	74.3
IL.....	20	8	3.1	70.5	2.5	4.7	53.0	381.9	650.2	1,032.1	9.0	3.1	146.6
LA....	8	4	.5	6.2	.3	.7	3.0	32.3	28.6	61.6	.7	.4	19.5
MA....	10	4	.3	4.3	.3	.5	3.0	26.9	34.2	61.0	1.0	.3	16.1
MI....	32	16	1.9	24.9	1.7	3.4	20.3	121.4	107.3	228.1	4.7	2.1	60.4
MN[1]...	5	2	.2	3.1	.1	.3	1.5	5.8	17.1	22.8	.3	A	(D)
NJ....	11	5	.7	14.9	.5	1.0	9.7	68.1	103.9	171.2	7.9	.8	53.6
NC....	5	4	.6	9.3	.4	1.0	5.3	25.7	24.9	50.6	2.0	.9	22.7
OH[1]...	18	4	.4	5.5	.4	.6	4.1	29.4	32.7	62.0	(D)	.6	18.5
OR....	7	5	.3	4.5	.3	.4	3.3	12.4	19.5	32.0	(D)	A	(D)
TN[2]...	6	3	.2	3.2	.2	.4	1.8	10.4	18.2	28.6	.4	.2	6.1
WI....	12	10	1.0	15.6	.8	1.5	9.9	51.5	73.3	124.6	(D)	1.4	36.5

OTHER STATES - Limited data available, see notes at bottom of page.

AL[2] 4-3-B CO 5-3-C IN 6-4-C KY 2-2-B MS 2-2-B NY[1] 41-7-C TX 15-5-E
AR[1] 3-1-A DE 3-3-B KS 4-2-A MD[1] 8-6-C MO 9-3-C PA 14-4-E

Industry 2037 Frozen Fruits and Vegetables

State	1982											1977	
	Establishments		All Employees		Production Workers			Value added by manufacture	Cost of materials	Value of Production	New Capital expenditures	All employees	Value added by manufacture
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars	Number (1,000)	Man-hours (millions)	Wages (million dollars)	(million dollars)	(million dollars)	(million dollars)	(million dollars)	number (1,000)	(million dollars)
U.S....	**264**	**199**	**47.7**	**643.5**	**41.5**	**77.1**	**506.7**	**2,408.6**	**2,970.1**	**5,374.6**	**235.7**	**46.8**	**1,322.5**
AR[1]...	3	3	.2	1.9	.2	.3	1.4	4.5	7.0	11.6	.2	n.a.	n.a.
CA....	35	25	8.6	111.9	7.9	13.6	96.3	329.8	328.7	658.3	16.4	10.0	240.1
FL....	34	26	6.4	85.1	5.0	10.6	60.6	576.4	1,085.4	1,661.1	52.3	6.7	373.6
ID.....	9	9	5.0	73.4	4.1	7.7	54.8	248.4	243.7	492.1	18.2	6.6	90.7
IL.....	6	5	.6	10.0	.5	1.1	7.6	35.7	36.7	72.4	1.6	C	(D)
ME[1]...	12	10	2.1	23.1	1.9	3.4	18.8	55.4	72.1	127.0	5.3	1.7	20.4
MI[1]....	17	12	1.3	19.7	1.0	1.8	12.7	75.3	82.3	157.7	14.5	1.7	48.4
MN...	5	5	1.5	18.6	1.4	2.4	13.0	67.2	64.3	131.5	3.0	.9	8.5
NJ....	4	3	.3	4.3	.3	.5	3.3	11.7	20.7	32.4	1.0	C	(D)
NY....	10	8	1.1	14.9	1.0	2.0	12.1	54.1	82.0	136.7	3.9	1.2	41.1
OR....	29	21	7.7	102.7	7.0	11.9	86.1	341.3	323.9	659.4	38.8	6.3	146.3
WA...	37	29	6.2	98.4	5.6	11.2	81.7	341.5	323.4	666.8	23.0	5.7	163.9
WI....	7	5	1.2	17.8	1.1	2.0	14.2	79.8	55.7	134.6	(D)	A	(D)

OTHER STATES - Limited data available, see notes at bottom of page.

GA 4-2-E IA 2-2-A NE 2-2-B OK 2-1-B TN 2-2-C
IN 2-2-A MD 3-3-B ND 2-1-A PA 8-7-C TX[1] 6-4-C

OTHER STATES - (1982 Census data is limited) First figure indicates total establishments in state; second figure establishments with 20 or more employees; letter indicates employment size range - A represents a range of 150-249, B 250-499, C 500-999, E 1,000-2,499, F 2,500 employees or more. (D) Withheld to avoid disclosure. See additional notes at end of this Table 2.

CENSUS REPORT—SELECTED STATES—1982 & 1977 TABLE 2 Continued

	1982											1977	
	Establishments		All Employees		Production Workers								
State	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Man-hours (millions)	Wages (million dollars)	Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of Production (million dollars)	New Capital expenditures (million dollars)	All employees number (1,000)	Value added by manufacture (million dollars)

Industry 2038, Frozen Specialties

State	Total	With 20 or more	Number	Payroll	Number	Man-hours	Wages	Value added	Cost of materials	Value of Production	New Capital expenditures	1977 All employees	1977 Value added
U.S.	**389**	**251**	**42.4**	**650.7**	**32.6**	**63.1**	**428.5**	**2,066.2**	**2,966.5**	**5,033.9**	**160.5**	**41.0**	**1,217.7**
AR	3	3	2.1	28.0	1.9	3.7	23.3	69.3	155.9	224.6	6.2	2.7	66.9
CA	46	30	3.9	56.4	3.2	6.2	40.3	128.0	292.8	420.8	10.0	4.3	119.5
CT	8	6	.9	11.4	.7	1.4	7.7	57.2	56.9	114.1	(D)	B	(D)
FL[1]	15	5	.3	3.9	.3	.6	3.0	9.2	9.6	18.8	.4	.3	5.9
GA	5	5	.8	14.8	.5	.8	6.5	50.1	35.6	85.7	6.9	.8	28.0
IL[1]	37	24	2.9	54.0	1.9	3.8	25.7	148.1	157.7	305.9	9.6	3.0	121.1
IN	8	5	.8	12.2	.6	1.2	7.5	42.5	39.6	82.1	(D)	.5	14.0
MN	17	10	2.1	32.5	1.6	2.9	21.9	106.7	137.3	244.3	7.2	2.5	101.3
NJ[4]	23	16	1.9	30.0	1.4	2.7	19.1	73.8	100.3	174.3	8.3	1.5	38.7
NY	40	19	2.3	41.2	1.6	3.2	21.5	216.1	211.0	426.3	25.3	2.4	137.6
OK	4	3	.7	10.3	.6	1.2	8.2	35.4	38.4	73.8	1.6	.8	22.7
OR	6	4	.4	9.2	.2	.4	2.7	29.0	24.9	53.9	6.1	.6	16.5
PA	32	24	2.9	44.8	2.3	4.0	29.3	160.2	177.1	337.2	7.3	F	(D)
TN	8	7	1.4	22.6	1.0	1.9	13.7	82.0	104.7	186.6	1.7	C	(D)
TX	17	10	1.3	21.5	.9	1.8	12.2	48.3	67.5	118.0	3.3	.8	14.7
VA	5	4	1.7	24.6	1.2	2.3	15.1	56.8	86.4	143.2	(D)	E	(D)
WI	16	8	1.6	27.5	1.1	2.0	14.4	71.6	73.8	145.3	7.3	1.5	37.3

OTHER STATES - Limited data available, see notes at bottom of page.

DE 2-1-A KS 1-1-E MD 4-3-C IA 3-2-C MS 2-1-B NE 4-3-C SC 2-2-E
IA 3-2-C LA 2-1-B MA[2] 12-5-A MI 14-9-E MO 16-13-E OH 16-12-F UT 2-2-C

Industry 2034, Dehydrated Fruits, Vegetables and Soups

State	Total	With 20 or more	Number	Payroll	Number	Man-hours	Wages	Value added	Cost of materials	Value of Production	New Capital expenditures	1977 All employees	1977 Value added
U.S.	**151**	**85**	**13.6**	**216.9**	**11.2**	**19.1**	**156.2**	**[7]790.1**	**985.0**	**[7]1,745.1**	**51.7**	**14.4**	**485.9**
CA	79	49	7.9	128.2	6.4	11.2	92.7	440.4	663.0	1,069.6	32.6	6.6	252.7
CT	1	1	A	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	n.a.	n.a.
ID	10	9	2.6	35.1	2.2	3.0	26.4	108.7	115.7	226.8	7.5	3.1	68.9
IL	6	5	.6	11.4	.4	.9	6.4	36.2	31.8	68.1	.8	C	(D)
NJ	5	3	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	C	(D)
WA	7	6	.5	7.7	.4	.8	5.5	18.5	30.5	49.7	1.9	.7	24.3
WI	1	1	A	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	B	(D)

Industry 2091, Canned and Cured Seafoods

State	Total	With 20 or more	Number	Payroll	Number	Man-hours	Wages	Value added	Cost of materials	Value of Production	New Capital expenditures	1977 All employees	1977 Value added
U.S.	**204**	**107**	**13.9**	**194.9**	**12.1**	**21.1**	**150.6**	**613.4**	**1,235.3**	**1,849.1**	**20.5**	**16.0**	**441.0**
AK	33	21	E	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.0	78.6
CA	14	9	6.6	106.2	5.6	11.0	80.7	423.7	723.4	1,147.0	8.6	7.1	213.8
DE[1]	3	3	4	4.3	.3	.6	2.9	19.0	36.8	55.9	1.1	B	(D)
HI	3	1	B	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	B	(D)
IL	3	3	2	2.4	.1	.3	1.7	5.0	12.2	17.3	.4	.3	5.7
LA	15	9	.5	5.0	.4	.7	3.2	10.3	61.4	72.0	(D)	.5	11.0
ME	18	14	1.0	9.1	.9	1.3	7.4	31.9	36.9	68.8	1.7	1.2	25.1
NJ	9	4	.4	4.3	.3	.5	2.9	10.7	18.8	29.5	1.4	.4	11.0
NY	10	5	.3	5.1	.2	.5	3.8	10.6	40.3	50.8	.4	.5	18.4
NC[1]	6	4	A	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	n.a.	n.a.
OR	9	4	A	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5	7.0
VA	5	3	.2	.9	.2	.2	.7	2.7	4.2	6.8	(D)	n.a.	n.a.
WA[3]	37	18	1.6	18.0	1.4	1.9	15.3	38.3	94.7	133.0	2.1	1.6	37.4

Industry 2092, Fresh or Frozen Packaged Fish

State	Total	With 20 or more	Number	Payroll	Number	Man-hours	Wages	Value added	Cost of materials	Value of Production	New Capital expenditures	1977 All employees	1977 Value added
U.S.[1]	**783**	**433**	**37.5**	**408.6**	**32.5**	**55.5**	**303.8**	**966.7**	**3,040.0**	**4,009.1**	**62.2**	**34.3**	**700.9**
AL	22	14	1.1	9.8	1.0	1.7	6.9	14.7	99.5	114.2	(D)	C	(D)
AK[3]	66	39	3.5	51.9	3.2	5.4	42.6	132.3	334.2	464.9	12.2	3.0	101.0
CA[2]	54	33	3.5	36.7	3.1	5.2	28.5	99.1	246.1	345.5	5.6	2.5	60.6
DE[6]	2	2	A	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	n.a.	n.a.
FL[1]	75	37	5.2	52.7	4.7	8.7	38.2	144.4	383.5	528.6	8.4	4.6	63.4
GA	13	7	1.5	13.4	1.3	2.5	8.7	20.0	52.5	72.4	3.3	E	(D)
LA[1]	48	19	1.2	9.8	1.1	2.0	7.8	19.2	83.2	102.3	1.1	1.5	24.7
ME[5]	20	7	.7	7.3	.6	.9	5.8	7.1	48.1	55.2	(D)	C	(D)
MD	41	18	1.5	14.3	1.1	1.9	9.2	26.1	174.3	200.4	1.4	2.2	39.8
MA[1]	74	48	4.2	61.5	3.5	6.3	43.3	137.1	508.2	642.2	5.5	F	(D)
MN	8	2	A	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	n.a.	n.a.
MS	20	14	1.5	15.1	1.3	2.5	10.6	39.7	130.5	170.2	4.6	.7	15.6
NH	5	1	A	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	B	(D)
NJ	11	4	A	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	C	(D)
NY	16	4	.3	5.0	.3	.5	4.1	12.5	28.1	41.2	.4	.4	10.2
NC	28	19	.9	7.0	.8	1.3	5.9	15.0	39.8	54.9	(D)	.7	13.0
OH[6]	7	1	A	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	B	(D)
OR[1]	23	17	1.1	11.1	1.0	1.5	9.5	21.8	55.3	77.2	.6	1.5	23.2
PA	12	7	1.2	16.2	.9	1.6	10.7	64.5	173.3	237.9	1.7	C	(D)
RI	13	7	.4	4.8	.4	.6	3.8	9.1	22.1	31.1	(D)	B	(D)
SC	10	5	.5	4.1	.4	.6	2.8	9.1	17.2	26.3	(D)	B	(D)
TX	24	15	1.2	10.8	1.0	1.9	8.3	27.8	128.3	158.6	1.5	1.3	14.5
VA	86	59	3.7	23.7	3.3	4.7	19.0	42.2	115.6	157.7	2.0	3.3	40.9
WA[1]	73	42	2.7	32.6	2.4	3.8	25.0	75.9	276.3	355.4	8.1	2.1	81.4
WI	10	5	.3	2.8	.2	.3	1.7	6.1	14.7	20.8	.1	.2	3.5

OTHER STATES - (1982 Census data is limited) First figure indicates total establishments in state; second figure establishments with 20 or more employees; letter indicates employment size range - A represents a range of 150-249, B 250-499, C 500-999, E 1,000-2,499, F 2,500 employees or more. (D) Withheld to avoid disclosure. [1] Denotes 10-19 percent of data estimated (based on administrative records). [2] 20-29%. [3] 30-39%. [4] 40-49%. [5] 50-59%. [6] 90% or more. [7] Value of shipments.

CENSUS REPORT—Continued

VALUE OF PRODUCTION OF SPECIFIED PRODUCTS BY ALL PRODUCERS*

(Source: Census Table 6c - millions of dollars)

Code	Product Class	1958	1963	1966[1]	1967	1972	1977	1981[1]	1982
2032	**Canned specialties**	**827.6**	**946.6**	**1,165.9**	**1,190.7**	**1,629.9**	**2,429.0**	**3,169.9**	**3,484.6**
20321	Canned baby foods (except cereal, biscuits, & meat)	185.2	230.8	237.5	246.3	[4]346.7	[4]401.3	556.2	[4]596.4
20323	Canned dry beans	166.9	200.3	255.9	246.1	305.8	556.5	684.4	735.3
20322 20324 20320	Canned soups (not frozen or seafood): Canned specialties and Nationality foods n.s.k.	475.5	515.5	672.5	698.3	977.4	1,471.2	1,929.3	2,152.8
2033	**Canned fruits and veg.**	**2,191.5**	**2,583.8**	**3,022.1**	**3,222.3**	**3,922.9**	**6,621.4**	**9,064.9**	**9,255.3**
20331	Canned fruits (except baby foods)	639.7	721.7	823.8	818.3	828.6	1,289.3	1,759.3	1,590.6
20332	Canned veg. (except hominy and mushrooms)	638.6	767.6	882.8	957.5	1,067.1	1,650.9	1,967.2	2,047.2
20333	Canned hominy and mushrooms	34.8	39.0	43.5	51.6	98.2	149.8	163.4	139.0
20334	Canned fruit juices, nectars, and concentrates	294.2	380.5	443.6	413.5	709.2	1,223.4	2,198.7	2,062.1
20335	Canned veg. juices	93.3	91.1	94.8	104.2	155.7	251.8	293.8	270.3
20336	Catsup and other tomato sauces	245.6	297.9	449.8	507.7	603.3	1,350.0	1,849.4	2,174.4
20338	Jams, jellies, and preserves	197.9	227.3	250.9	245.2	280.3	396.9	609.4	603.0
20330	Canned fruits and veg., n.s.k.	47.4	58.5	(32.8)	124.3	180.5	309.2	223.7	368.7
2034	**Dehydrated fruits, vegetables and soup mixes[3]**	**276.8**	**334.9**	**434.6**	**450.9**	**625.6**	**1,200.2**	**1,722.9**	**1,749.2**
20341	Dried & dehydr. fruits and veg., (incl. freeze dry) except soup[3]	(NA)	284.5	365.6	344.9	466.2	898.6	1,397.8	1,324.5
20342	Soup mixes, dried & dehydr.[3]	(NA)	44.5	64.1	76.4	126.7	224.7	259.9	332.8
20340	Dehydrated food products, n.s.k.[3]	(NA)	5.9	(4.9)	29.6	32.7	76.9	65.2	91.9
2035	**Pickles, sauces, & salad dr.**	**496.1**	**619.0**	**767.7**	**792.9**	**1,165.1**	**2,242.8**	**3,277.6**	**3,252.7**
20352	Pickles and other pickled products	170.1	228.1	261.0	260.6	362.5	553.2	745.1	694.5
20353	Meat sauces (except tomato)	67.6	94.4	111.4	98.5	151.3	261.6	430.6	540.0
20354	Mayonnaise, salad dressings and sandwich spreads	240.5	278.6	386.9	373.9	576.0	1,292.3	1,930.5	1,815.4
20350	Pickles, sauces, and salad dressings, n.s.k.	17.9	(18.0)	(8.3)	59.9	75.3	135.7	171.4	202.7
2037	**Frozen Fruits & vegetables**	**[5]589.2**	**[5]832.3**	**[5]986.2**	**[5]999.4**	**[5]1,648.7**	**3,047.2**	**4,491.7**	**5,062.0**
20371	Frozen fruits, juices & ades	358.0	436.3	421.4	419.5	733.6	1,153.5	1,707.3	1,860.4
20372	Frozen vegetables	231.2	396.0	564.8	579.9	915.1	1,797.9	2,647.2	3,089.7
20370	Frozen fruits & veg., n.s.k.	[5]	[5]	[5]	[5]	[5]	95.8	137.2	111.9
2038	**Frozen Specialties**	**[5]327.4**	**[5]628.6**	**[5]856.1**	**[5]1,021.3**	**[5]1,742.6**	**2,911.9**	**4,106.8**	**4,417.2**
20381	Frozen pies & other frozen baked goods	318.8	608.1	837.5	889.4	387.5	770.3	1,060.5	1,282.5
20382	Frozen dinners, beef, pork Nationality foods, etc.					702.0	1,297.7	1,907.3	2,356.6
20383	Other frozen specialties					492.5	718.2	957.1	624.3
20380	Frozen specialties, n.s.k.	[5]8.6	[5]20.5	([5]18.6)	[5]131.9	[5]160.6	125.7	181.9	143.8
2091	**Canned and cured seafood, incl. soup (except frozen)**	**367.0**	**384.4**	**470.3**	**421.1**	**587.7**	**1,025.5**	**1,420.3**	**1,267.1**
	Canned seafood	(NA)	331.3	(NA)	386.7	[6]560.2	[6]954.1	n.a.	n.a.
	Cured seafood	(NA)	53.2	(NA)	34.4	27.5	71.5	n.a.	n.a.
2092	**Fresh or frozen packaged fish (seafood)**	**274.1**	**362.8**	**445.1**	**529.7**	**1,016.8**	**[7]2,459.2**	**3,293.0**	**3,714.0**
	Prepared fresh fish & seafood	(NA)	76.6	(NA)	66.6	135.2	460.5	807.0	578.3
	Frozen fish, excl. shellfish	(NA)	(NA)	(NA)	(NA)	314.7	744.4	997.1	1,033.9
	Frozen shellfish	(NA)	(NA)	(NA)	463.1	415.8	887.6	1,145.1	1,397.5
	Fresh or frozen packaged fish, nsk	(NA)	(NA)	(NA)	(NA)	151.1	366.8	343.8	704.3
20118 20138	**Canned meats except animal or baby food (20% or more meat)[3]**	**(NA)**	**(NA)**	**(NA)**	**(NA)**	**1,106.2**	**1,256.3**	**1,597.1**	**1,548.6**

*Represents value of specific products packed not only by plants classified in the specific industry but by plants classified in other industries as well. (NA) Not available. [1] These figures represent estimates derived from a representative sample of manufacturing establishments canvassed in the annual survey of manufacturers. These estimates may differ from the results that would have been obtained from a complete canvass of all manufacturing establishments. The figures shown in parentheses either have associated standard errors exceeding 15 percent or are not consistent with other census series and related data. [3] Value of shipments. [4] Includes meat. [5] Data for product class 20370, Frozen Fruits and Vegetables, n.s.k., are included with product class 20380, Frozen Specialties, n.s.k. As a result, total for industry 2037 is understated by approximately 5 percent. [6] Includes small amount of cured n.s.k. [7] Not directly comparable with earlier years. See text "Description of Industrues". [8] Includes small amount of Fresh n.s.k.

CENSUS REPORT—Continued

FUELS AND ELECTRIC ENERGY CONSUMED BY THE INDUSTRY 1977 AND 1981

Energy Source & Unit of Measure		2032		2033		2037		2038	
		1977	1981	1977	1981	1977	1981	1977	1981
Natural gas	bil. cu. ft.	8.3	9.2	27.1	28.4	(S)	15.2	4.6	4.9
	mil. dol.	16.0	33.5	52.5	111.1	(S)	61.0	7.8	15.8
Distillate fuel oil	1,000 bbl	207.0	80.0	635.3	242.3	(S)	199.3	137.2	116.8
	mil. dol.	3.3	2.9	10.2	7.7	(S)	6.6	2.3	4.3
Residual fuel oil	1,000 bbl.	776.8	260.9	1,011.6	889.5	(S)	655.9	(D)	94.6
	mil. dol.	11.2	8.2	13.8	24.2	(S)	17.4	(D)	2.5
Coal*	1,000 s. tons	84.1	(D)	(D)	....	....	....	....	....
	mil. dol.	3.2	(D)	(D)	....	....	....	....	....
Other fuels**	mil. dol.	(D)	5.1	(D)	8.6	(S)	5.8	1.9	(D)
Total purch. fuels	trillion Btu	17.2	16.2	42.9	38.2	27.1	22.5	8.0	7.0
	mil. dol.	34.7	54.6	85.7	151.5	52.7	90.9	14.7	25.5
Elec. energy purch.	mil. kwh.	490.2	459.5	1,306.5	1,385.5	1,852.6	2,229.6	1,151.9	1,136.0
	mil. dol.	13.3	21.3	37.9	69.3	39.3	78.8	30.5	50.0
Total. purch. energy	trillion Btu	18.9	17.8	47.4	42.9	33.4	30.2	11.9	10.9
	mil. dol.	48.0	75.9	123.6	220.7	92.0	169.7	45.2	76.4

FUELS AND ELECTRIC ENERGY CONSUMED—Continued

Energy Source & Unitof Measure		2034		2035		2091		2092	
		1977	1981	1977	1981	1977	1981	1977	1981
Natural gas	bil. cu. ft.	9.9	(S)	3.7	3.2	1.1	.9	.5	.6
	mil. dol.	18.5	(S)	6.6	12.2	2.0	3.6	1.1	2.9
Distillate fuel oil	1,000 bbl.	137.8	(S)	104.6	19.5	83.3	57.4	162.0	183.4
	mil. dol.	1.9	(S)	1.7	.7	1.7	2.2	3.0	7.4
Residual fuel oil	1,000 bbl.	(D)	(S)	175.2	125.2	51.0	103.4	20.1	33.1
	mil. dol.	(D)	(S)	2.6	3.7	.8	3.0	.3	.9
Coal*	1,000 s. tons	(D)	.....	.....	(D)	.....	.....	.....	.....
	mil. dol.	(D)	.....	.....	(D)	.....	.....	.....	.....
Other fuels**	mil. dol.	3.0	(D)	1.8	3.7	3.1	2.6	3.8	8.6
Total purch. fuels	trillion Btu	13.4	(D)	6.6	(D)	3.5	3.5	3.7	4.6
	mil. dol.	24.7	(D)*	12.9	(D)*	7.5	14.4	8.2	19.9
Elec. energy purch.	mil. kwh.	512.9	(D)	365.8	(D)	200.0	218.2	430.0	490.3
	mil. dol.	10.4	(D)*	10.5	(D)*	5.8	12.9	12.0	27.0
Total purch. energy	trillion Btu	15.1	(D)	7.9	(D)	4.2	4.3	5.2	6.2
	mil. dol.	35.1	(D)	23.5	(D)	13.3	27.3	20.2	46.9

*In 1981 123 thousand tons (4.8 million dollars) total for 203 group. **Other fuels include coke, purchased steam, liquified petroleum gases, gasoline, and small amounts of miscellaneous fuels. (D) Withheld to avoid disclosing figures for individual companies. (S) Withheld because the estimate did not meet Census publication standards.

Source: "Fuels and Electric Energy Consumed," 1977 Census of Manufacturers, Bureau of the Census, MC77-SR-4 (Part 1)(Revised), and 1982 Census, MC82-S-4 (Part 1).

THE ALMANAC

OF THE CANNING, FREEZING, PRESERVING INDUSTRIES

Section IX

INTERNATIONAL TRADE AND WORLD PACKS

CANNED, FROZEN AND PRESERVED FOODS

INDEX

EXPORTS, U.S.

Fruit 586, 590
Juices 585
Meats 586
Milk 587
Seafood 586, 587
Soups 586
Vegetables 585, 591

EXPORT MARKETS, U.S.—COUNTRY OF DESTINATION—Selected Products

Fruits, Canned 590
Vegetables, Canned 591

IMPORTS, U.S.

Fish 588, 589
Fruits 587, 596
Juices 588, 592
Meats 589
Shellfish 589
Surimi 588, 589
Vegetables 588, 592, 598, 599, 600

IMPORTS—BY IMPORTING COUNTRY WITH COUNTRY OF ORIGIN

Apricots 593
Asparagus 597
Beans, Green or Wax 597
Cherries 593
Fruit Mixtures 593
Mushrooms 598
Orange Conc. Frozen 592, 596
Peaches 594
Pears 595
Peas 598
Pineapple 595
Tomato Concentrates 600
Tomatoes 598

WORLD PACKS—Selected

Fruits, by product 601
Fruits, by country 602
Vegetables, by product 603
Vegetables, by country 604

U.S. EXPORTS CANNED AND FROZEN FOODS

Source: Bureau of the Census, U.S. Department of Commerce

Courtesy & Cooperation. National Food Processors Assn. and Foreign Agriculture Service, U.S.D.A.

	1983		1984		1985		1986		1987	
	1,000 Gallons	Value $1,000	1,000 Gallons	Value $1,000	1,000 Gallons	Value $1,000	1,000 Gallons	Value $1,000	1,000 Gallons	Value $1,000
FRUIT JUICES										
Not Concentrated:										
Grapefruit	2,710	5,237	1,713	3,872	1,568	3,447	1,621	3,830	1,987	4,446
Orange	6,358	13,536	5,126	11,724	6,342	12,009	3,481	7,186	4,505	8,749
Other Citrus & citrus mix	1,785	2,941	1,647	2,671	3,589	5,115	1,258	1,959	1,371	2,036
Grape	3,159	2,960	2,050	1,925	1,454	1,881	2,465	2,330	1,075	1,641
Pineapple	3,078	5,250	2,629	6,194	2,141	5,819	1,916	4,570	1,284	3,083
Other	7,227	14,009	5,386	11,949	5,038	11,319	6,416	14,672	8,964	17,687
Total Not Conc.	24,317	43,933	18,551	38,335	20,132	39,590	17,157	34,546	19,186	37,642
Frozen Concentrate: (s.s. basis)										
Grapefruit	10,286	13,045	12,325	18,148	10,386	18,470	8,963	15,584	12,939	24,210
Orange, containers less than 32 oz.	26,754	53,464	23,518	56,246	18,977	38,460	12,569	22,266	13,562	26,528
Orange, containers 32 oz.-1 gal.	7,951	12,986	7,203	13,228	6,719	12,810	6,605	10,585	7,096	12,780
Orange, containers more than 1 gal.	36,829	40,160	31,802	41,370	19,448	28,893	20,176	22,352	27,329	33,904
Other citrus	15,220	14,553	13,838	13,902	10,286	10,036	3,809	4,448	7,159	7,965
Grape	3,686	7,032	2,255	3,457	1,252	2,030	1,934	3,477	2,326	4,719
Other	5,480	7,713	4,811	7,378	4,824	7,425	3,302	5,795	3,989	6,789
Total Froz. Conc.	106,206	148,953	95,752	153,729	71,892	118,124	57,358	84,507	74,400	116,895
Concentrate, not frozen (hot pack): (s.s. basis)										
Grapefruit	1,364	2,126	1,491	2,899	1,534	2,614	2,266	4,425	1,920	3,498
Orange	5,585	8,116	4,556	6,616	3,427	5,559	3,585	5,012	3,611	5,033
Other citrus & citrus mix	1,908	2,250	1,976	1,930	2,907	3,653	2,675	2,767	1,894	2,509
Grape	2,495	3,802	3,868	5,666	3,925	6,661	3,492	5,987	4,940	11,073
Pineapple	992	1,001	714	653	710	915	794	1,157	538	831
Other	12,126	9,374	12,259	9,976	14,235	11,874	9,747	10,219	6,438	9,120
Total Conc. not frozen	24,470	26,669	24,864	27,740	26,738	31,276	22,558	29,567	19,341	32,064
VEGETABLE JUICES										
Tomato	1,973	4,279	1,490	3,479	1,274	2,598	1,581	3,051	1,411	3,363
Other veg. juices	1,213	2,096	1,066	1,988	651	1,395	855	2,188	679	1,902

	1983		1984		1985		1986		1987	
	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000
CANNED VEGETABLES										
Asparagus	2,366	1,623	2,133	2,235	1,562	1,641	1,399	1,419	1,654	1,595
Beans, dry	8,195	2,649	7,096	2,441	6,553	2,110	7,059	2,143	5,743	1,684
Beans, other	15,634	6,834	15,914	6,915	15,238	6,700	17,226	7,675	14,335	5,617
Corn	145,566	52,513	126,156	47,119	134,592	46,150	168,884	55,936	200,422	66,442
Peas	5,201	1,468	4,232	1,464	3,176	1,148	3,451	1,050	3,471	1,013
Mushrooms	295	230	634	453	556	424	552	351	478	351
Tomatoes	13,991	4,218	11,951	3,346	15,939	2,999	13,907	2,555	8,040	2,125
Tomato pulp	864	323	757	276	1,400	489	812	291	2,506	1,052
Tomato paste	23,964	11,175	21,203	9,099	15,691	5,872	17,234	6,648	20,440	7,721
Tomato sauce	6,701	2,551	5,895	2,156	4,723	1,623	6,187	2,155	6,479	2,291
Catsup & chili sauce	23,449	9,835	20,372	8,473	18,083	6,584	18,902	7,594	23,450	8,550
Other canned vegs.	29,852	13,411	25,131	12,049	22,499	10,939	17,020	7,940	17,384	7,716
Veg. baby food	6,213	2,683	5,137	1,199	3,868	1,787	3,990	1,776	4,184	1,785
Total canned veg.	282,291	109,513	246,611	98,325	243,880	88,466	276,623	97,533	308,586	107,942
PICKLED VEGETABLES										
Cucumbers	8,829	2,526	11,073	2,909	12,632	3,197	23,482	3,768	24,674	4,073
Other pickled vegs.	2,433	1,211	1,808	816	1,646	852	1,905	1,121	1,807	910
FROZEN VEGETABLES										
Carrots	6,631	1,726	8,259	2,298	5,529	1,527	5,984	1,757	8,344	2,046
Corn	82,349	25,871	77,380	23,013	75,975	22,118	97,530	28,525	88,730	28,762
Peas	19,729	5,137	20,148	5,563	15,986	4,498	26,163	7,092	27,641	8,172
Potatoes, F.F.	106,051	37,006	123,134	40,323	127,697	41,392	171,756	54,231	212,982	68,745
Potatoes, other	15,302	4,788	17,300	6,742	18,131	5,936	23,310	9,869	33,022	13,838
Other froz. vegs.	44,204	18,470	41,813	17,909	37,034	16,844	46,908	20,771	50,877	21,772
Total Froz. Veg.	274,266	92,998	288,034	95,848	280,352	92,315	371,652	122,244	421,596	143,335

U.S. EXPORTS CANNED AND FROZEN FOODS—Continued

	1983		1984		1985		1986		1987	
	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000
CANNED MEATS										
Poultry	2,278	1,894	1,147	1,936	1,259	1,721	738	1,093	493	902
Sausages	2,804	2,859	1,953	2,108	1,628	1,678	1,627	1,665	2,060	2,234
Pork (not sausage)	1,532	2,098	1,130	1,406	1,407	1,835	768	862	829	1,047
Beef and veal	3,491	3,175	4,269	3,130	2,499	2,387	2,018	1,870	1,448	1,385
Other can meats	1,164	1,492	1,704	1,965	804	984	1,085	1,202	1,329	1,536
Total Can Meats.	11,269	11,518	10,203	10,545	7,597	8,605	6,237	6,692	6,159	7,104
SOUPS										
Soup, dried/dehyd.	2,331	3,302	2,412	3,419	3,545	4,132	5,808	4,102	6,305	4,881
Soup, other	25,053	11,366	24,305	12,013	21,644	10,908	24,862	11,725	23,039	10,395
CANNED FRUITS										
Apricots	1,692	717	876	528	860	685	710	369	1,049	616
Cherries, marasch.	3,520	2,693	3,971	2,968	3,577	2,714	5,751	4,344	5,391	3,901
Cherries, sweet	3,923	2,388	3,433	2,437	3,756	2,370	4,938	3,652	8,576	5,721
Cherries, tart	1,560	670	779	568	1,110	609	660	428	3,088	1,193
Berries	3,930	1,930	3,018	1,638	1,987	1,052	3,792	1,274	3,001	1,330
Grapefruit	2,130	707	4,036	930	684	298	4,613	1,929	3,300	1,344
Other citrus & citrus mix	5,586	3,463	5,358	3,416	4,247	2,643	3,346	1,902	4,345	2,671
Olives, canned	2,671	2,048	2,229	1,605	2,546	1,766	2,283	1,750	2,506	2,064
Olives, other	1,180	702	1,046	713	1,007	635	943	637	1,113	897
Peaches	57,810	20,234	29,372	12,150	22,226	8,907	39,440	14,321	34,241	12,887
Pears	4,172	1,748	2,509	1,059	1,769	922	2,552	1,078	2,490	1,014
Pineapple	26,558	10,219	28,095	12,512	16,161	6,225	22,203	8,013	15,949	5,542
Other can fruits	16,374	9,451	13,979	6,904	11,111	4,499	13,026	6,723	12,163	7,158
Mix., non-citrus	68,322	29,246	47,679	21,276	36,808	16,734	41,322	18,912	50,110	22,632
Total Can Fruits	199,428	86,216	146,380	68,704	107,849	50,059	145,580	65,331	147,322	68,970
Baby food fruits	12,973	6,633	13,111	6,450	13,887	6,323	7,567	3,379	7,164	3,145
Other fruit pastes & pulps	15,405	5,483	13,311	5,521	15,161	6,060	19,064	6,618	20,352	7,045
Jams, marmalade, and fruit butter.	6,348	4,979	5,138	3,851	4,770	3,711	4,598	3,389	6,027	4,422
FROZEN FRUITS										
Blueberries	5,841	2,294	8,983	3,422	5,071	1,786	8,167	2,448	20,077	5,689
Strawberries	5,886	3,480	6,239	3,371	6,632	3,222	8,462	4,978	10,821	6,080
Other froz. berries	8,002	3,536	6,532	3,043	5,707	2,377	7,868	3,124	15,370	5,270
Cherries, sweet	5,150	2,629	2,924	1,662	1,326	714	2,162	1,885	3,743	2,226
Cherries, tart	346	199	469	232	414	132	971	390	1,712	505
Other froz. fruits	3,527	1,554	5,357	2,500	6,360	2,761	6,338	2,710	13,092	4,767
Tot. Froz. Fruits.	28,752	13,692	30,504	14,230	25,510	10,992	33,968	15,535	64,815	24,537
FRESH & FROZEN FISH FILLETS, STEAKS AND PORTIONS										
Cod	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	9,546	12,669	11,405	16,347
Salmon	976	1,528	2,808	5,572	956	2,037	3,086	6,064	1,960	4,403
Herring	4,702	3,666	614	537	1,880	1,722	5,455	4,045	2,751	2,512
Other	21,264	25,674	20,430	26,672	17,492	24,598	22,992	35,108	38,195	52,471
Sticks & portions	3,386	4,301	2,914	3,812	2,085	2,643	2,414	3,210	2,200	3,684
Balls, cakes, etc.	976	1,095	438	466	227	298	1,080	1,513	7,043	6,727
CANNED FISH										
Salmon, chum	5,004	6,067	2,797	3,477	2,551	3,115	1,676	2,002	2,456	3,492
Salmon, pink	22,145	31,532	20,825	29,683	19,831	27,463	38,611	52,599	17,390	32,077
Salmon, sockeye	21,962	50,315	23,238	50,050	24,105	49,386	14,372	38,225	11,091	37,704
Salmon, other	5,377	9,080	2,103	3,581	1,753	3,095	4,775	8,409	4,964	12,543
Sardines	1,013	690	889	584	529	424	271	321	999	688
Other	9,102	7,467	6,777	7,262	3,623	4,400	5,304	6,897	5,434	6,829
Fish balls, cakes, puddings, pastes, and sauces	384	495	514	810	2,248	1,698	3,047	2,907	2,136	2,528
Total Can Fish	64,987	105,646	57,143	95,447	54,640	89,581	68,056	111,360	44,470	95,861
CANNED SHELLFISH										
Abalone	n.a.	n.a.	n.a.	n.a.	139	851	999	9,658	1,159	12,380
King crab	65	253	84	288	141	651	50	117	63	126
Shrimp	3,749	10,520	2,712	8,040	1,564	4,261	1,964	5,519	2,334	8,264
Squid	683	379	460	150	1,838	817	7,815	3,116	4,898	1,943
Other, inc. shellfish juices	1,133	2,699	611	2,186	208	312	706	2,479	699	1,678
Tot Can Shellfish	5,630	13,851	3,867	10,664	3,890	6,892	11,534	20,889	9,153	24,391

U.S. EXPORTS CANNED AND FROZEN FOODS—Continued

	1983		1984		1985		1986		1987	
	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000
FRESH & FROZEN SHELLFISH										
Clams	n.a.	n.a.	n.a.	n.a.	1,001	1,662	1,319	2,277	1,232	1,933
Dungeness Crab	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	503	2,043	691	3,133
King Crab	1,165	8,424	2,012	11,340	2,316	10,479	3,966	24,487	8,375	60,581
Snow Crab	16,157	37,843	14,614	28,561	22,271	37,164	31,420	73,571	43,339	117,530
Other Crab	n.a.	n.a.	n.a.	n.a.	3,959	9,632	5,405	15,706	3,741	11,897
Lobsters	n.a.	n.a.	n.a.	n.a.	1,501	5,296	2,602	8,990	3,784	14,392
Scallops	n.a.	n.a.	n.a.	n.a.	605	2,453	816	3,646	849	3,681
Sea Urchin	n.a.	n.a.	n.a.	n.a.	656	5,327	1,271	11,451	2,931	25,389
Shrimp (fresh)	4,707	14,728	2,656	6,914	2,004	5,783	4,105	12,803	6,753	19,889
Shrimp (frozen)	13,747	53,641	10,870	36,618	13,003	42,374	15,938	56,316	15,228	54,962
Squid	8,866	7,847	4,716	4,494	7,003	4,746	14,374	11,811	16,422	11,938
Other	14,573	43,013	15,041	45,324	3,587	8,468	5,450	13,150	12,362	25,329
Total	59,215	165,496	49,909	133,251	57,906	133,384	87,169	236,251	115,707	350,654
CANNED MILK										
Evaporated	8,829	2,526	7,254	3,697	9,756	5,048	5,038	2,728	2,705	1,210
Condensed	2,433	1,211	479	243	442	192	934	259	2,069	803

CONVERTING POUNDS TO APPROXIMATE CASES: FRUITS & VEGETABLES: To 24/303's divide by 24; to 24/2's divide by 30; to 24/2½'s divide by 45. To convert 1,000 gallons to cases of 12/46 oz. divide by 4.3125.

[1] Fresh & Frozen beginning 1984.

U.S.IMPORTS OF CANNED & FROZEN FOODS

National Marine Fisheries Service, U.S. Department of Commerce
USDA's Foreign Agricultural Service and National Food Processors Assn. Div. of Int. Trade

	1983		1984		1985		1986		1987	
	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000
FRUITS, Prep. or pres.										
Apples, Canned	2,529	609	8,510	1,673	5,939	2,010	5,775	1,598	6,668	1,351
Apricots, Canned	7,961	2,035	12,728	3,360	10,165	2,454	10,159	3,917	8,609	3,614
Blueberries, Froz.	9,097	6,979	10,693	6,130	10,216	5,876	10,113	5,647	16,192	11,243
Boysenberries, Froz.	2,048	465	1,142	407	3,009	1,606	4,598	2,692	3,059	1,867
Raspberries, Froz.	1,103	572	4,788	2,441	4,391	2,517	14,135	7,913	6,256	4,657
Strawbrs., Frozen Up to 40 oz.	1,579	596	1,827	618	2,326	687	2,003	794	2,121	813
Strawbrs., Frozen Over 40 oz.	40,956	16,235	49,104	16,399	57,364	15,686	48,745	16,255	72,801	25,252
Blueberries, Canned	212	191	312	217	357	276	552	429	321	317
Black Currants, Canned[1]	634	696	731	804	714	714	583	709	593	833
Raspberries, Can.	187	213	288	254	764	579	749	699	358	389
Strawbrs., Canned.	790	523	1,120	668	4,148	1,815	1,813	1,197	4,198	2,039
Cherries, In Brine.	1,318	829	2,159	1,391	3,588	2,208	7,123	4,834	2,051	1,806
Cherries, Canned	522	513	777	741	1,532	942	2,412	1,868	627	889
Cherries, Frozen	565	92	.....	.....	138	45	306	110	482	158
Figs, Canned	150	110	452	312	289	148	77	77	484	203
Grapefruit, Canned.	10,611	2,555	14,556	4,439	20,063	6,545	32,812	9,695	29,348	10,633
Oranges, Mandarin.	79,992	33,902	97,082	39,654	98,990	36,690	95,389	39,401	109,395	48,110
Guavas	1,371	537	1,336	511	1,136	383	1,614	541	2,546	801
Mangoes	2,360	1,532	2,896	1,800	2,724	1,655	4,018	2,161	3,594	2,034
Olives, Ripe	2,451	1,556	3,079	1,903	3,237	1,651	3,950	2,257	3,770	2,210
Papayas	3,855	1,880	3,897	1,806	4,020	1,674	4,519	2,024	4,417	2,046
Peaches, Canned	8,023	2,243	72,407	20,300	69,355	18,132	40,450	9,871	4,304	11,619
Pears, Canned	140	55	5,532	1,609	40,366	12,071	12,577	3,410	2,287	626
Pineapple, Canned	404,913	114,676	418,096	120,827	526,627	148,960	553,187	153,048	528,787	150,651
Plums, Canned	923	1,121	882	1,141	963	1,219	771	1,075	529	750
Fruit Mix, Tropical[2]	1,262	487	9,316	3,017	12,186	4,655	9,284	3,672	5,763	2,350
Fruit Mix, Other	14,108	3,238	30,088	9,511	49,839	16,618	35,422	10,270	32,450	8,999

[1] Black currants, gooseberries, lingon or partridge berries and loganberries. [2] Mixtures not containing apricots, citrus, peaches or pears.

U.S. IMPORTS OF CANNED & FROZEN FOODS—Continued

	1983		1984		1985		1986		1987	
	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000
JUICES (1,000 gallons s.s. basis)*										
Apple or Pear (not mixed)	149,295	112,056	167,860	122,276	214,441	136,949	227,524	192,145	226,367	183,103
Grape	2,713	2,179	7,064	r3,978	7,815	r4,885	8,048	6,526	5,502	5,635
Lime	322	286	806	570	548	578	1,542	1,321	477	586
Orange Conc.	364,769	293,501	558,118	595,527	581,427	695,388	547,041	385,996	521,558	454,426
Citrus, other	9,214	10,864	22,314	37,150	8,909	10,995	31,227	32,502	16,185	17,513
Pineapple	32,616	21,360	37,722	28,322	56,613	43,988	64,821	48,406	56,553	42,082
Prune Juice	1,449	1,565	1,063	1,154	1,740	1,636	1,610	1,410	1,925	1,918
Other Fruit	4,780	12,692	6,806	19,185	7,609	22,624	9,175	27,233	8,120	25,979
Vegetable	164	316	507	1,443	832	2,129	1,706	3,511	n.a.	n.a.
VEGETABLES, Prep. or pres.										
Artichokes, Brined	5,435	3,119	9,967	5,869	9,989	5,248	9,980	5,565	11,014	7,568
Artichokes, other	23,250	12,103	30,054	15,085	28,680	13,215	31,810	14,041	30,693	17,877
Asparagus	2,944	2,561	6,587	6,452	5,251	4,749	5,078	4,478	5,923	5,217
Beans[3]	2,260	1,122	5,106	1,876	16,404	4,326	14,403	3,862	5,210	2,230
Broccoli, Frozen	33,552	10,964	65,405	21,288	77,149	25,666	117,151	34,495	194,818	49,701
Carrots, Canned	8,947	1,797	9,939	2,012	12,267	2,479	14,135	3,436	11,547	3,262
Cauliflower, Frozen	21,085	6,973	30,836	10,288	36,824	11,518	37,845	10,753	58,513	15,039
Chickpeas	1,373	490	2,177	554	1,410	469	r773	310	1,076	373
Corn, Canned	8,587	3,616	10,117	4,083	11,307	4,378	14,583	5,236	15,563	5,594
Cucumbers, Brined	9,032	1,912	9,682	2,603	13,194	3,266	14,742	3,950	12,965	3,625
Mushrooms, Canned Up to 9 oz.	35,518	41,220	50,245	59,931	r50,317	58,991	54,519	55,456	58,362	59,308
Mushrooms, Canned Over 9 oz.	72,808	57,851	112,740	100,707	96,193	75,539	98,165	61,689	92,915	65,688
Mushrooms, Straw, Canned	3,702	3,244	5,120	4,057	7,256	6,829	6,425	5,500	6,385	5,458
Mushrooms, Frozen	975	949	951	1,031	1,568	1,658	2,581	2,972	2,599	2,559
Okra, Frozen cut	22,309	6,944	18,237	4,457	19,423	5,275	14,760	4,093	18,332	4,877
Onions, Brined	3,109	1,340	3,699	1,389	4,017	1,313	3,262	1,232	3,495	1,320
Onions, Canned	6,373	3,730	8,431	5,413	10,014	6,553	8,922	6,185	9,500	6,585
Peas[5]	16,047	6,858	30,844	10,386	25,434	7,809	20,130	7,390	24,020	8,745
Peas, Frozen	15,450	6,656	22,262	10,681	16,374	6,729	17,547	9,088	23,384	11,150
Pimientos	12,879	5,318	17,036	6,858	16,849	7,284	21,826	9,840	18,028	9,997
Potatoes, Frozen	26,557	5,249	49,732	10,363	69,081	13,444	73,527	15,530	93,901	20,062
Potatoes, Dehyd.	135	68	364	173	2,826	1,537	1,194	529	452	233
Potatoes, Canned	1,138	291	1,822	389	1,152	309	1,965	578	1,963	892
Sauerkraut	984	237	1,465	371	1,672	352	1,730	448	1,496	507
Tomato Paste	160,742	52,666	151,045	45,729	111,400	28,298	130,625	32,518	101,274	26,939
Tomato Sauce (incl. pulp)	23,626	5,617	28,000	7,143	33,586	8,447	31,590	7,338	17,201	3,528
Tomatoes, Canned	186,709	40,026	233,567	49,919	220,028	41,566	197,559	36,304	178,587	39,163
CANNED FISH										
Anchovies in oil	3,757	8,112	4,876	10,946	5,011	11,304	5,641	16,531	5,307	16,719
Anchovies not in oil	1,300	931	587	586	391	487	1,058	1,189	963	1,388
Herring in oil	251	308	256	295	294	291	190	225	239	253
Herring not in oil	5,572	9,092	4,244	6,386	5,582	8,275	5,707	9,390	5,617	8,726
Mackerel not in oil	7,269	2,797	9,231	3,575	10,921	4,177	10,609	3,896	13,837	5,277
Salmon in oil	14	35	22	56	92	148	47	181	37	71
Salmon not in oil	264	1,459	529	2,433	1,866	5,842	4,575	12,974	6,6[illegible]5	19,152
Sardines in oil	17,151	21,245	17,535	23,403	23,009	26,996	22,949	28,520	27,352	35,106
Sardines not in oil	18,096	12,455	27,216	18,402	34,213	21,990	30,315	21,049	37,670	25,470
Tuna in oil	197	418	277	494	303	560	301	707	329	869
Tuna not in oil	122,132	136,906	162,036	166,774	213,645	208,578	236,320	227,919	211,356	206,051
Bonito & yellowtail, in oil	140	179	151	142	89	68	129	112	183	125
Bonito & yellowtail, not in oil	37	69	10	53	30	57	49	107	21	111
Antipastos in oil	609	582	937	871	699	420	364	517	316	521
Fish cakes, balls, puddings	12,400	18,161	17,406	23,953	19,321	24,396	12,919	18,997	8,797	13,130
Surimi structured Products	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	5,384	8,037	4,737	6,786
Fish paste & sauce	10,170	4,031	9,766	4,167	12,506	4,714	13,842	5,444	12,002	5,588
Pollock	192	485	2,224	3,373	14,224	18,368	9,383	13,497	11,255	16,046
Sturgeon/Roe	1,193	6,405	1,800	7,482	1,591	8,634	1,672	10,051	1,995	14,679
Other fish in oil	2,246	2,320	1,648	1,823	1,424	1,917	2,150	2,434	2,002	2,753
Other fish not in oil	1,791	3,620	1,956	3,537	1,984	4,358	1,793	4,491	2,807	6,816
Total	204,781	229,610	262,707	278,751	347,195	351,580	365,397	386,268	353,437	385,637

---

* Includes concentrates converted to s.s. equivalent. [3] Green, wax, lima, dry. [5] Peas in brine packed in salt, pickled or otherwise preserved, except dried. r - revised.

U.S. IMPORTS OF CANNED & FROZEN FOODS—Continued

	1983		1984		1985		1986		1987	
	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000	1,000 Pounds	Value $1,000
CANNED SHELLFISH										
Abalone[4]	2,889	12,792	2,611	10,791	2,816	14,722	2,579	15,460	2,790	19,867
Clam chowder, juice, etc.	3	5	15	19	26	24	175	82	481	554
Clams, other	7,391	8,296	7,791	8,625	9,765	8,732	13,622	9,631	13,352	14,561
Clams, razor	77	77	49	52	33	48	88	151	141	173
Crab meat, snow (inc. paste)	672	3,073	998	4,002	1,314	3,805	1,102	3,739	1,541	4,851
Crab meat, other (incl. paste)	5,833	17,566	5,235	15,995	6,270	18,142	7,676	20,236	6,426	15,775
Lobster, American	1,073	8,007	384	2,005	869	6,017	352	2,971	637	4,184
Lobster, spiny	131	628	18	96	56	364	37	194	136	748
Shrimp	13,176	25,499	13,580	26,409	17,088	32,163	15,757	29,406	17,132	33,380
Oysters & juice	21,599	24,827	23,047	26,198	28,928	30,176	32,050	32,311	32,668	36,144
Total	52,844	100,770	53,728	94,192	67,165	114,193	73,438	114,181	75,304	130,237
FRESH OR FROZEN FISH										
Analog Products[5] (Surimi)	n.a.	n.a.	n.a.	n.a.	33,654	48,160	34,312	58,487	30,539	51,197
Freshwater fish	24,352	21,706	24,177	25,328	21,616	22,189	22,195	24,691	23,910	27,686
Salmon	14,422	33,385	21,097	56,497	27,038	75,598	40,549	100,669	41,902	113,008
Tuna	505,180	245,007	493,795	281,380	478,781	266,335	563,797	298,847	572,505	330,759
Other Saltwater	161,261	87,981	195,208	111,060	255,330	158,043	275,883	213,718	305,171	243,672
Blocks	384,458	338,554	316,165	262,901	334,060	275,064	363,897	379,887	403,577	539,358
Fillets & steaks	439,716	557,515	473,594	606,551	536,725	713,861	538,532	826,791	620,985	1,115,123
sticks/similar prod.	1,824	2,061	2,355	2,838	925	1,247	1,568	2,022	1,977	2,509
Total (millions)[5]	1,531	1,286	1,526	1,347	1,654	1,512	1,806	1,847	1,970	2,372
FRESH OR FROZ. SHELLFISH										
Scallops	34.280	158,665	27,270	117,296	42,035	147,070	47,916	192,558	39,934	162,273
Shrimp	328,253	1,198,023	328,916	1,189,941	342,818	1,120,749	384,349	1,404,931	461,173	1,676,844
Shell on	216,950	896,306	225,696	913,993	232,642	866,566	262,044	1,080,127	310,073	1,224,234
Peeled, Raw	81,562	218,186	75,662	205,038	77,532	173,298	91,843	221,263	116,708	313,521
Other	29,741	83,531	27,558	70,910	32,644	80,885	30,462	103,541	34,392	139,089
CANNED MEATS										
Beef sausages	2	3	61	43	32	55	0	0	0	0
Corned beef										
2 lbs. or less	79,375	80,940	76,289	73,088	78,354	69,289	56,887	53,893	63,678	79,609
over 2 lbs.	17,741	16,828	16,994	14,805	19,731	16,291	13,485	11,986	17,713	19,593
Beef, other										
2 lbs. or less	10,367	12,274	8,199	8,349	12,494	12,575	11,446	11,358	11,248	14,844
over 2 lbs.	22,739	25,531	26,021	27,342	31,095	37,031	16,631	17,012	32,258	52,001
Pork hams & shoulders										
less than 3 lbs.	12,138	17,797	13,381	16,631	17,998	22,694	15,918	21,440	15,432	21,670
3 lbs. and more	247,007	363,024	283,110	371,334	319,937	409,609	295,524	438,691	284,464	435,971
Bacon	2,012	2,136	3,045	3,093	2,702	3,210	3,280	4,870	6,985	9,902
Other canned pork	216	188	14,448	12,125	13,867	11,442	12,887	12,292	18,948	18,050

[4] May include fresh or dried and canned paste and sauce.

[5] Analog products which include imitation and simulated crab, lobster, shrimp, scallops and other fish and shellfish products fabricated from processed minced fish meat (such as surimi), are excluded from total.

LEADING U.S. EXPORT MARKETS AND PRODUCTS

U.S. EXPORTS TO SPECIFIED COUNTRIES

SOURCE: United States Department of Agriculture, Foreign Agricultural Service, Horticultural and Tropical Products Division.

CANNED FRUITS

Basis 1,000 cases 24 no. 2½ cans (45 lbs.) Figures rounded - Calendar year

Country of Destination	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
APRICOTS, CANNED										
Canada	10	27	9	13	13	9	3	1	3	4
European Community	56	5	5	7	3	1	4	2	1	2
Other Western Europe	12	13	3	4	2	1	2	1	1	1
Asia	18	17	16	17	16	13	9	10	8	15
Oceania	13	5	3	2	1	....	1	1	2	(a)
Other	....	....	14	16	20	14	1	4	1	1
Total	109	67	51	59	55	38	19	19	16	23
CHERRIES, CANNED[1]										
Canada	62	59	27	27	26	44	11	12	34	113
Mexico	2	2	2	1	2	....	1	....	(a)	(a)
European Community	215	90	296	49	68	21	1	5	4	57
Japan	29	50	48	49	41	33	34	29	33	31
Asia	23	24	16	14	13	16	41	56	49	52
Caribbean	6	10	4	3	4	4	....	....	(a)	(a)
Other	18	22	18	18	21	4	5	5	4	5
Total	355	257	411	161	175	122	94	108	124	259
MIXED FRUIT, CANNED										
Canada	904	931	770	879	657	447	397	246	176	306
Latin America	105	90	130	73	79	57	68	70	87	67
Germany, Federal Rep.	58	120	351	264	132	84	1	....	7	5
Netherlands	88	111	112	98	83	44	9	7	9	11
Other European Commty.	81	59	71	84	49	20	11	6	15	11
Other Western European	329	377	396	278	231	92	74	38	56	44
Asia	492	503	712	532	591	637	394	354	514	613
Caribbean	36	57	63	87	75	77	44	71	46	39
Other	28	35	37	156	56	60	61	26	10	17
Total	2,121	2,283	2,642	2,451	1,953	1,518	1,060	818	920	1,114
PEACHES, CANNED										
Canada	1089	1031	945	788	663	408	294	155	142	82
Latin America	70	132	121	82	114	45	32	43	39	33
Germany, Federal Rep.	1060	211	423	356	169	158	(a)	0	(a)	1
Netherlands	76	153	112	29	11	10	3	4	6	6
Other European Commty.	321	93	63	53	33	6	5	5	9	2
Other Western Europe	366	243	226	179	116	42	27	43	41	15
Japan	999	523	633	486	501	410	149	130	490	430
Asia	174	205	201	146	189	183	123	101	135	183
Other	25	31	94	[2]480	26	23	14	13	14	10
Total	4180	2622	2818	2599	1822	1285	653	494	876	761
PEARS, CANNED										
Canada	65	43	24	33	22	21	6	1	1	7
Europe	83	23	30	31	29	10	6	12	26	11
Asia	29	39	33	38	39	46	20	14	18	28
Latin America	12	23	15	17	10	6	4	4	5	3
Other	13	23	22	22	25	10	20	8	6	8
Total	202	151	124	141	125	93	56	39	57	55
PINEAPPLES, CANNED										
Canada	271	251	248	319	391	381	380	196	232	228
Germany, Federal Rep.	146	70	37	32	52	38	65	16	26	23
Other European Commty.	130	75	62	60	67	53	86	45	43	43
Other Western Europe	63	57	12	10	27	51	19	24	17	26
Asia	41	48	39	60	27	42	44	44	[3]159	18
Caribbean	11	21	18	21	17	11	13	6	10	5
Other	27	42	34	21	15	13	14	27	6	10
Total	689	564	450	523	596	590	624	359	493	354

[1] Both sweet and sour. Excludes Maraschino Cherries. [2] Includes 459,151 cases to Mexico. [3] Includes 126,652 cases to the Philippines. (a) Less than 500 cases.

LEADING U.S. EXPORT MARKETS—CANNED VEGETABLES

Basis 1,000 cases 24/303 cans (24 lbs.). Figure rounded - Calendar year.

Country of Destination	1978	1979	1980	1981	1982	1983	1984	1985	r1986	1987
ASPARAGUS										
Canada	1	1	2	10	....	1	6	....	....	4
Mexico	31	4	....	11	....	....	1	....	1	....
Latin America	17	28	38	8	8	2	5	2	1	1
European Community	39	59	40	34	29	29	35	33	25	34
Other Western Europe	24	19	24	27	23	12	16	12	15	15
Asia	19	21	21	66	44	50	21	16	12	8
Caribbean	3	25	54	46	4	2	2	....	1	4
Other	10	14	9	3	4	2	2	2	3	2
Total	144	171	188	205	112	99	89	65	58	69
BEANS, CANNED[1]										
Canada	123	43	58	35	77	39	53	39	26	20
Mexico	102	113	97	84	24	5	6	18	24	12
Latin America	178	150	147	123	148	47	48	61	79	n.a.
Caribbean	149	92	88	171	311	216	154	205	253	n.a.
Europe	87	76	39	74	138	73	68	33	n.a.	n.a.
Asia	281	294	256	306	260	222	267	237	248	n.a.
Africa	68	79	37	35	22	11	14	3	5	n.a.
Other	50	43	86	48	65	38	54	39	83	n.a.
Total	1,038	890	808	876	1,047	651	663	635	718	597
CORN, CANNED										
Canada	229	127	103	67	75	144	41	23	97	75
Mexico	101	104	110	120	38	25	31	99	97	113
France	541	959	861	853	786	923	571	465	570	270
Germany, Federal Rep.	465	482	706	586	724	809	772	879	1,243	1,272
United Kingdom	293	348	398	348	513	832	912	884	777	745
Other Western Europe	531	539	529	635	851	705	732	854	939	1,078
Japan	562	939	1,554	3,001	1,772	1,743	1,301	1,487	2,219	3,499
Asia	624	662	573	728	742	665	780	759	981	1,165
Latin America	114	135	150	99	94	28	34	34	33	37
Caribbean	46	58	71	63	59	44	47	38	70	60
Other	31	40	50	43	62	148	34	86	27	38
Total	3,537	4,393	5,105	6,543	5,716	6,065	5,257	5,608	7,053	8,352
PEAS, CANNED										
Canada	29	11	5	....	11	4	1	....	5	2
Latin America	105	71	145	111	56	27	29	25	43	33
Caribbean	33	27	31	35	36	37	40	19	36	23
Asia	81	62	82	90	113	69	44	39	29	46
Oceania	16	25	41	26	33	59	37	28	29	31
Other	18	21	18	22	13	21	18	21	2	10
Total	282	217	322	284	262	217	176	132	144	145
TOMATOES, CANNED										
Canada	1,039	1,340	1,207	1,170	709	446	383	297	215	173
Europe	3	36	5	15	5	27	3	18	12	15
Latin America	7	216	63	24	2	....	1	....	3	4
Asia	84	78	99	94	76	83	84	304	330	101
Other	43	67	82	38	40	26	28	25	43	43
Total	1,176	1,737	1,456	1,341	832	583	498	644	602	335
TOMATO CONCENTRATES[2]										
Canada	968	1,309	918	996	891	966	858	625	673	732
Latin America	130	147	38	74	26	11	12	3	21	42
Caribbean	76	83	101	89	80	57	62	41	43	104
Asia	214	276	314	186	200	225	174	148	162	190
Oceania	26	164	32	37	35	39	36	35	36	39
Europe	77	12	12	17	20	13	17	42	41	15
Other	34	34	64	87	4	3	1	15	1	....
Total	1,525	2,025	1,479	1,486	1,257	1,314	1,161	909	978	1,122
TOMATO JUICE[3]	1,000 Gallons									
Canada	1,409	378	262	258	186	150	n.a.	n.a.	198	112
Mexico	101	99	241	214	30	5	n.a.	n.a.	n.a.	n.a.
Caribbean	121	123	263	222	292	169	n.a.	n.a.	n.a.	n.a.
Latin America	59	82	184	95	75	11	n.a.	n.a.	n.a.	n.a.
Middle East	1,022	971	1,147	1,787	1,371	851	n.a.	n.a.	n.a.	n.a.
Far East	859	1,184	1,475	1,056	974	673	n.a.	n.a.	n.a.	n.a.
Other	84	113	253	246	188	114	n.a.	n.a.	n.a.	n.a.
Total	3,655	2,950	3,825	3,878	3,116	1,973	1,490	1,274	1,581	1,411

[1] Excludes dry beans & pickled beans. [2] Includes tomato paste, pulp (puree) and sauce through 1985. Excludes pulp (puree) beginning 1986. [3] Includes vegetable juices containing 70% or more tomato juice.
r - Revised for the 1988 Almanac. n.a. - Data by area not available at press time.

U.S. IMPORTS—COUNTRY OF ORIGIN—FROZEN

SOURCE: United States Department of Agriculture, Foreign Agricultural Service, Horticultural and Tropical Products Division

Country of Origin	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
FROZEN VEGETABLES—*1,000 Pounds*										
PEAS										
Canada	n.a.	n.a.	n.a.	n.a.	6,349	8,497	10,677	8,796	6,706	11,424
China, Taiwan	n.a.	n.a.	n.a.	n.a.	4,072	3,607	2,895	4,469	9,211	10,057
Other	n.a.	n.a.	n.a.	n.a.	5,924	3,347	8,691	3,109	1,629	1,903
Total	n.a.	n.a.	n.a.	n.a.	16,345	15,450	22,262	16,374	17,547	23,384
BROCCOLI										
Mexico	n.a.	n.a.	n.a.	n.a.	27,121	27,747	55,318	63,376	100,621	164,416
Guatemala	n.a.	n.a.	n.a.	n.a.	4,674	5,564	10,024	12,666	18,290	27,844
El Salvador	n.a.	n.a.	n.a.	n.a.	.....	.....	.....	181	1,526	1,290
Other	n.a.	n.a.	n.a.	n.a.	75	240	62	926	752	1,270
Total	n.a.	n.a.	23,898	27,822	31,870	33,552	65,404	77,148	121,188	194,820
CAULIFLOWER										
Mexico	n.a.	n.a.	n.a.	n.a.	13,327	17,571	27,560	32,869	38,596	55,878
Guatemala	n.a.	n.a.	n.a.	n.a.	7,083	3,239	3,111	2,835	2,167	1,614
Other	n.a.	n.a.	n.a.	n.a.	161	276	165	1,120	1,338	1,023
Total	n.a.	n.a.	n.a.	n.a.	20,571	21,085	30,836	36,824	42,102	58,515
OKRA										
Mexico	n.a.	n.a.	n.a.	n.a.	3,069	955	1,887	165	82	168
Dominican Republic	n.a.	n.a.	n.a.	n.a.	10,472	10,391	8,417	9,491	5,293	3,373
El Salvador	n.a.	n.a.	n.a.	n.a.	3,682	3,477	4,561	6,065	5,496	7,919
Guatemala	n.a.	n.a.	n.a.	n.a.	6,437	7,037	3,369	3,702	3,948	6,872
Other	n.a.	n.a.	n.a.	n.a.	516	450	2	.....	51	.....
Total	n.a.	n.a.	n.a.	n.a.	24,176	22,309	18,237	19,423	14,870	18,331
FROZEN ORANGE CONCENTRATE—*1,000 gallons at 42° brix*										
Belize	n.a.	n.a.	n.a.	n.a.	506	.....	520	926	1,646	1,661
Brazil	n.a.	n.a.	n.a.	n.a.	92,587	82,510	130,580	137,639	131,646	115,220
Canada	n.a.	n.a.	n.a.	n.a.	135	87	29	490	908	295
Mexico	n.a.	n.a.	n.a.	n.a.	4,321	6,391	4,314	2,244	7,949	9,709
Other	n.a.	n.a.	n.a.	n.a.	506	278	1,137	985	931	750
Total	n.a.	n.a.	n.a.	n.a.	98,054	89,265	136,581	142,285	143,081	127,634

NEW
Published 6/1/88

THE 1988-89 DIRECTORY OF THE CANNING, FREEZING, PRESERVING INDUSTRIES

FOR FOOD BUYERS, The Directory is the ideal source book. It's the easy way to find basic food products, to find new products to spruce up your menu and to fill out your product line. This well-organized, easy to use directory will give you more detail about each company than any other directory. All of the information that you need to do business intelligently and efficiently with the packer is here. $110 each

See Sample Pages at pages 645-650 this Almanac.

By the Publishers of THE ALMANAC
Edward E. Judge & Sons, Inc.
P.O. Box 866, Westminster, MD 21157 USA (301) 876-2052

ORDER BY PHONE

U.S. COMPETITION IN WORLD MARKETS

IMPORTS INTO SPECIFIED COUNTRIES BY COUNTRY OF ORIGIN

SOURCE: United States Department of Agriculture, Foreign Agricultural Service,
Horticultural and Tropical Products Division

SPECIFIED CANNED FRUITS

Importing Country and Country of origin	Calendar Year 1979	1980	1981	1982	1983	1984	1985	1986	1987
APRICOTS—*1,000 cases basis 24 No. 2½ cans 45 lb. per case*									
FRANCE									
Greece	814	920	974	987	795	n.a.	n.a.	n.a.	n.a.
Morocco	835	482	591	541	700	n.a.	n.a.	n.a.	n.a.
Spain	309	254	258	462	889	n.a.	n.a.	n.a.	n.a.
Tunisia	128	194	....	....	....	n.a.	n.a.	n.a.	n.a.
Other	22	25	134	217	264	n.a.	n.a.	n.a.	n.a.
TOTAL	2,108	1,875	1,957	2,207	2,120	n.a.	n.a.	n.a.	n.a.
GERMANY, W.									
Greece	752	790	1,078	995	866	777	n.a.	n.a.	n.a.
Italy	116	125	206	580	529	616	n.a.	n.a.	n.a.
Morocco	167	97	135	99	106	64	n.a.	n.a.	n.a.
South Africa	187	349	215	167	134	268	n.a.	n.a.	n.a.
Spain	409	449	499	569	586	830	n.a.	n.a.	n.a.
Other	191	143	173	155	208	24	n.a.	n.a.	n.a.
TOTAL	1,822	1,953	2,306	2,565	2,428	2,558	n.a.	n.a.	n.a.
UNITED KINGDOM									
Australia	47	25	19	18	13	13	n.a.	n.a.	n.a.
Israel	37	19	8	5	3	(a)	n.a.	n.a.	n.a.
South Africa	245	301	190	149	113	96	n.a.	n.a.	n.a.
Spain	121	83	103	217	375	424	n.a.	n.a.	n.a.
Greece	100	137	207	237	138	95	n.a.	n.a.	n.a.
Other	14	4	9	14	15	28	n.a.	n.a.	n.a.
TOTAL	564	569	536	640	657	643	n.a.	n.a.	n.a.
CHERRIES—*1,000 Pounds*									
CANADA									
Italy	1,043	418	1,585	2,030	2,643	n.a.	n.a.	n.a.	n.a.
Spain	73	461	383	348	800	n.a.	n.a.	n.a.	n.a.
Other	....	4	....	28	....	n.a.	n.a.	n.a.	n.a.
Subtotal	1,116	883	1,968	2,406	3,443	n.a.	n.a.	n.a.	n.a.
United States	9,125	6,299	4,674	4,310	5,572	n.a.	n.a.	n.a.	n.a.
TOTAL	10,241	7,182	6,642	6,716	9,015	n.a.	n.a.	n.a.	n.a.
GERMANY, W.									
Belgium-Lux	4,851	5,946	5,966	6,855	4,636	6,777	n.a.	n.a.	10,227
Greece	2,301	3,808	4,966	2,039	710	864	n.a.	n.a.	761
Italy	8,014	6,046	11,088	8,913	12,033	9,436	n.a.	n.a.	8,424
Netherlands	7,422	15,189	10,056	16,033	8,508	11,318	n.a.	n.a.	13,380
United States	3,698	7,893	3,607	2,595	547	106	n.a.	n.a.	11
Yugoslavia	11,503	12,183	9,212	9,432	13,012	23,131	n.a.	n.a.	12,042
Other	4,563	6,823	6,804	7,441	10,842	10,710	n.a.	n.a.	9,654
TOTAL	42,352	57,888	51,699	53,308	50,287	62,342	63,061	58,422	54,498
FRUIT MIXTURES—*1,000 cases basis 24 No. 2½ cans, 45 lb. per case*									
CANADA									
Australia	107	144	101	190	231	282	n.a.	n.a.	n.a.
Philippines	31	23	27	15	9	21	n.a.	n.a.	n.a.
South Africa	33	28	53	92	110	201	n.a.	n.a.	n.a.
Other	2	3	1	7	8	318	n.a.	n.a.	n.a.
Subtotal	173	198	182	304	358	822	585	644	480
United States	1,041	846	859	717	467	435	264	182	337
TOTAL	1,214	1,044	1,041	1,021	825	1,256	849	826	818
FRANCE									
Italy	531	623	687	737	605	n.a.	n.a.	n.a.	n.a.
Other	15	20	29	56	83	n.a.	n.a.	n.a.	n.a.
TOTAL	546	643	716	793	688	735	926	1,078	n.a.

n.a. - Comparable data not available. [1]Included in canned pears. [2]Includes Cherries in Brine.
(a) Included in Other.

IMPORTS INTO SPECIFIED COUNTRIES—FRUITS—Continued

Importing Country and Country of origin	1979	1980	1981	1982	1983	1984	1985	1986	1987
FRUIT MIXTURES—*Continued*									
GERMANY, W.									
Denmark	17	14	17	23	68	....	n.a.	n.a.	n.a.
France	91	51	120	111	142	182	n.a.	n.a.	n.a.
Italy	825	671	690	790	814	936	n.a.	n.a.	n.a.
United States	101	352	311	175	125	12	n.a.	n.a.	n.a.
Other	150	135	181	202	122	66	n.a.	n.a.	n.a.
TOTAL	1,184	1,223	1,319	1,301	1,271	1,242	n.a.	n.a.	n.a.
JAPAN									
Australia	112	90	64	60	52	n.a.	36	48	48
Greece	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	31	14	11
Philippines	60	50	38	40	37	n.a.	n.a.	n.a.	n.a.
South Africa	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	52	80	100
United States	157	157	136	115	163	n.a.	87	163	172
Other	6	1	7	4	13	n.a.	15	15	36
TOTAL	335	298	245	219	265	213	221	320	366
NETHERLANDS									
Germany, West	47	36	34	46	n.a.	n.a.	n.a.	n.a.	n.a.
Greece	43	51	69	76	10	n.a.	n.a.	n.a.	n.a.
Italy	195	255	292	317	359	n.a.	n.a.	n.a.	n.a.
South Africa	51	43	30	40	13	n.a.	n.a.	n.a.	n.a.
Other	27	31	36	22	64	n.a.	n.a.	n.a.	n.a.
Subtotal	363	416	461	503	446	n.a.	n.a.	n.a.	n.a.
United States	44	67	52	23	13	n.a.	n.a.	n.a.	n.a.
TOTAL	407	483	513	526	459	n.a.	n.a.	n.a.	n.a.
UNITED KINGDOM									
Australia	142	170	128	103	82	102	n.a.	n.a.	n.a.
Italy	417	598	782	638	799	952	n.a.	n.a.	n.a.
South Africa	1,012	855	837	626	636	464	n.a.	n.a.	n.a.
Spain	94	76	81	59	146	129	n.a.	n.a.	n.a.
Other	147	130	143	202	269	300	n.a.	n.a.	n.a.
Subtotal	1,812	1,829	1,971	1,628	1,926	1,947	n.a.	n.a.	n.a.
United States	7	12	38	8	6	....	n.a.	n.a.	n.a.
TOTAL	1,819	1,841	2,009	1,636	1,932	1,947	n.a.	n.a.	n.a.
PEACHES—*1,000 cases basis 24 No. 2½ cans, 45 lb. per case*									
CANADA									
Australia	152	94	178	248	275	189	n.a.	n.a.	n.a.
South Africa	189	206	250	238	171	198	n.a.	n.a.	n.a.
Other	2	4	2	3	72	460	n.a.	n.a.	n.a.
Subtotal	343	304	430	489	518	847	826	1,010	947
United States	1,161	997	880	708	427	306	182	164	134
TOTAL	1,504	1,301	1,310	1,197	945	1,153	1,008	1,174	1,081
FRANCE									
Greece	518	727	933	939	808	n.a.	n.a.	n.a.	n.a.
Italy	205	291	200	198	190	n.a.	n.a.	n.a.	n.a.
Other	10	6	6	32	77	n.a.	n.a.	n.a.	n.a.
TOTAL	733	1,024	1,139	1,169	1,075	911	818	892	n.a.
WEST GERMANY									
Bulgaria	34	62	235	64	205	....	n.a.	n.a.	n.a.
Greece	2,223	2,073	2,220	2,315	2,010	2,536	n.a.	n.a.	n.a.
Italy	633	664	809	670	612	607	n.a.	n.a.	n.a.
Spain	10	4	4	19	25	53	n.a.	n.a.	n.a.
South Africa	829	741	571	710	374	436	n.a.	n.a.	n.a.
Other	155	129	103	182	100	203	n.a.	n.a.	n.a.
Subtotal	3,884	3,673	3,942	3,960	3,326	3,835	n.a.	n.a.	n.a.
United States	447	577	379	111	208	....	n.a.	n.a.	n.a.
TOTAL	4,331	4,250	4,321	4,071	3,534	3,836	3,667	4,398	n.a.
JAPAN									
Australia	575	272	317	314	297	n.a.	148	191	289
Greece	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	165	291	331
South Africa	391	125	204	219	486	n.a.	322	754	737
United States	686	688	502	485	465	n.a.	144	597	449
Other	8	6	6	5	4	n.a.	17	54	148
TOTAL	1,660	1,091	1,029	1,023	1,251	851	795	1,887	1,953

n.a. - Comparable data not available.

IMPORTS INTO SPECIFIED COUNTRIES—FRUITS—Continued

Importing Country and Country of origin	Calendar Year 1979	1980	1981	1982	1983	1984	1985	1986	1987
PEACHES—*Continued*									
NETHERLANDS									
Argentina	....	4	....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Germany, West	87	78	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Greece	257	288	298	355	401	n.a.	n.a.	n.a.	n.a.
Italy	19	45	15	30	72	n.a.	n.a.	n.a.	n.a.
South Africa	148	140	91	106	112	n.a.	n.a.	n.a.	n.a.
Other	30	13	104	80	75	n.a.	n.a.	n.a.	n.a.
Subtotal	541	568	508	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
United States	25	59	23	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
TOTAL	566	627	531	571	660	n.a.	n.a.	n.a.	n.a.
UNITED KINGDOM									
Australia	317	356	437	684	227	170	n.a.	n.a.	n.a.
Greece	356	411	740	932	1,228	1,251	n.a.	n.a.	n.a.
Italy	582	515	699	518	617	563	n.a.	n.a.	n.a.
South Africa	2,271	1,860	158	1,072	1,110	752	n.a.	n.a.	n.a.
Other	29	29	25	124	73	57	n.a.	n.a.	n.a.
Subtotal	3,555	3,171	3,483	3,330	3,254	2,793	n.a.	n.a.	n.a.
United States	14	21	8	3	1	....	n.a.	n.a.	n.a.
TOTAL	3,569	3,192	3,491	3,333	3,255	2,793	n.a.	n.a.	n.a.
UNITED STATES									
Australia	n.a.	n.a.	n.a.	....	....	....	40	....	145
Chile	n.a.	n.a.	n.a.	....	....	132	244	154	209
Greece	n.a.	n.a.	n.a.	....	2	190	275	459	443
Spain	n.a.	n.a.	n.a.	....	158	433	523	55	99
South Africa	n.a.	n.a.	n.a.	....	11	593	301	143	....
Other	n.a.	n.a.	n.a.	17	7	[2]262	[2]158	102	61
TOTAL	12	10	11	17	178	1,609	1,541	913	957
PEARS—*1,000 cases basis 24 No. 2½ cans, 45 lb. per case*									
CANADA									
Australia	291	156	167	198	175	193	n.a.	n.a.	n.a.
Other	17	51	97	107	143	157	n.a.	n.a.	n.a.
Subtotal	308	207	264	305	318	350	430	414	382
United States	57	41	40	34	18	8	3	2	11
TOTAL	365	248	304	339	336	358	433	416	393
FRANCE									
Italy	399	401	517	639	449	n.a.	n.a.	n.a.	n.a.
Other	41	26	42	117	83	n.a.	n.a.	n.a.	n.a.
TOTAL	440	427	559	756	532	470	426	647	n.a.
GERMANY, W.									
Australia	473	190	260	309	123	117	n.a.	n.a.	n.a.
China, Mainland	48	110	178	121	102	64	n.a.	n.a.	n.a.
Italy	819	1,211	1,315	1,059	957	1,106	n.a.	n.a.	n.a.
South Africa	100	74	59	131	74	69	n.a.	n.a.	n.a.
Other	37	41	59	24	46	79	n.a.	n.a.	n.a.
TOTAL	1,477	1,626	1,871	1,644	1,302	1,435	n.a.	n.a.	n.a.
UNITED KINGDOM									
Australia	711	561	523	634	349	324	n.a.	n.a.	n.a.
Italy	420	445	528	421	605	768	n.a.	n.a.	n.a.
South Africa	870	811	785	567	611	484	n.a.	n.a.	n.a.
Spain	29	30	47	21	130	137	n.a.	n.a.	n.a.
Other	23	43	55	26	31	23	n.a.	n.a.	n.a.
TOTAL	2,053	1,890	1,938	1,668	1,724	1,736	n.a.	n.a.	n.a.
PINEAPPLE—*1,000 cases basis 24 No. 2½ cans*									
CANADA									
Australia	41	85	74	67	43	39	n.a.	n.a.	n.a.
China, Taiwan	75	124	36	16	7	....	n.a.	n.a.	n.a.
Philippines	502	604	547	392	239	410	n.a.	n.a.	n.a.
Singapore	38	27	26	15	13	....	n.a.	n.a.	n.a.
South Africa	138	136	171	132	144	148	n.a.	n.a.	n.a.
Thailand	324	410	358	365	417	564	n.a.	n.a.	n.a.
United States	281	296	518	369	317	494	244	193	222
Other	34	29	24	18	15	60	n.a.	n.a.	n.a.
TOTAL	1,433	1,711	1,754	1,374	1,195	1,715	1,764	1,524	1,601

n.a. - Comparable data not available. [1] Includes canned apricots. [2] Includes 192,000 cases and 65,000 cases from Argentina in 1984 and 1985 respectively.

IMPORTS INTO SPECIFIED COUNTRIES—FRUITS—Continued

Importing Country and Country of origin	Calendar Year								
	1979	1980	1981	1982	1983	1984	1985	1986	1987
PINEAPPLE—*Continued - 1,000 cases basis 24 No. 2½ cans*									
FRANCE									
Ivory Coast	874	919	941	618	411	n.a.	464	n.a.	n.a.
Kenya	137	267	266	193	240	n.a.	193	n.a.	n.a.
Martinique	376	406	472	409	473	n.a.	340	n.a.	n.a.
Philippines	92	101	87	113	138	n.a.	53	n.a.	n.a.
South Africa	41	118	7	71	n.a.	n.a.	69	n.a.	n.a.
Thailand	127	157	137	438	223	n.a.	149	n.a.	n.a.
United States	13	10	23	10	n.a.	n.a.	3	n.a.	n.a.
Other	35	30	69	104	n.a.	n.a.	174	n.a.	n.a.
TOTAL	1,695	2,008	2,002	1,956	1,622	n.a.	1,445	n.a.	n.a.
WEST GERMANY									
China, Mainland	111	193	180	36	252	174	46	n.a.	n.a.
China, Taiwan	36	....	....	....	4	9	2	n.a.	n.a.
Ivory Coast	984	740	781	278	53	50	196	n.a.	n.a.
Kenya	441	320	619	507	730	498	498	n.a.	n.a.
Malaysia	44	58	64	66	59	219	185	n.a.	n.a.
Philippines	540	581	582	596	502	321	416	n.a.	n.a.
South Africa	302	281	156	496	178	123	200	n.a.	n.a.
Swaziland	218	220	231	172	128	330	161	n.a.	n.a.
Thailand	1,091	1,334	1,263	1,637	1,286	1,039	1,087	n.a.	n.a.
United States	71	60	37	43	46	42	24	n.a.	n.a.
Other	121	161	106	41	135	68	386	n.a.	n.a.
TOTAL	3,959	3,948	4,019	3,872	3,373	2,873	3,201	n.a.	n.a.
JAPAN									
China, Taiwan	282	246	241	78	53	n.a.	n.a.	n.a.	n.a.
Malaysia	165	123	126	158	167	n.a.	n.a.	n.a.	n.a.
Philippines	386	252	291	298	252	n.a.	n.a.	n.a.	n.a.
Thailand	280	129	140	331	213	n.a.	n.a.	n.a.	n.a.
Other	37	26	23	21	27	n.a.	n.a.	n.a.	n.a.
TOTAL	1,150	776	821	886	712	n.a.	n.a.	n.a.	n.a.
UNITED KINGDOM									
Kenya	671	541	523	454	520	541	377	n.a.	n.a.
Malaysia	505	n.a.	n.a.	n.a.	(a)	(a)	228	n.a.	n.a.
Philippines	132	158	400	406	359	393	535	n.a.	n.a.
Singapore	171	n.a.	n.a.	n.a.	399	319	9	n.a.	n.a.
South Africa	578	622	435	675	451	265	361	n.a.	n.a.
Swaziland	167	121	281	182	255	283	331	n.a.	n.a.
United States	....	....	....	....	....	....	....	n.a.	n.a.
Other	235	921	705	868	198	273	180	n.a.	n.a.
TOTAL	2,459	2,363	2,344	2,585	2,181	2,074	2,022	n.a.	n.a.
UNITED STATES									
China, Taiwan	476	829	246	150	57	80	199	197	280
Ivory Coast	49	83	80	27	3	0	6	n.a.	n.a.
Malaysia	270	178	144	214	212	168	209	253	263
Mexico	624	602	247	171	142	146	203	310	341
Philippines	5,282	4,933	4,265	4,579	4,550	4,561	6,041	5,309	4,944
Singapore	130	219	242	235	188	204	180	254	255
South Africa	166	183	405	574	708	548	638	391	1
Thailand	2,964	3,214	3,860	3,511	3,061	3,428	3,938	5,292	5,052
Other	44	24	60	46	77	155	289	410	616
TOTAL	10,005	10,265	9,549	9,507	8,998	9,291	11,703	12,416	11,751
FROZEN ORANGE CONCENTRATE—*1,000 gallons at 42° brix* See page 592 for U.S. Imports of Frozen Conc. Orange Juice.									
CANADA									
Belize	....	....	....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Brazil	11,951	11,299	16,865	16,072	14,148	16,110	n.a.	n.a.	n.a.
Mexico	732	380	730	651	856	278	n.a.	n.a.	n.a.
Panama	....	23	....	....	n.a.	n.a.	n.a.	n.a.	n.a.
U.S.[1]	7,991	9,387	9,459	7,904	9,132	9,011	9,563	11,467	8,197
Other	17	....	....	26	160	23	n.a.	n.a.	n.a.
TOTAL	20,691	21,089	27,054	24,653	24,296	25,422	23,831	25,027	25,314

n.a. - Comparable data not available.
(a) Included in Philippines.

[1] Assumes that 5% of U.S. shipments are bulk concentrate at 65° brix.

CANNED VEGETABLES

1,000 cases, equiv. 24/303's (24 lbs.)

Importing Country and Country of origin	Calendar Year								
	1979	1980	1981	1982	1983	1984	1985	1986	1987
ASPARAGUS — *1,000 cases basis 24/303 cans, 24 lb. per case*									
BELGIUM-LUX									
China, Taiwan	392	332	235	226	113	n.a.	87	n.a.	n.a.
Germany, West	20	5	11	8	35	n.a.	27	n.a.	n.a.
Netherlands	27	25	30	51	36	n.a.	31	n.a.	n.a.
Other	10	17	16	31	37	n.a.	36	n.a.	n.a.
TOTAL	449	379	292	316	222	n.a.	181	n.a.	n.a.
FRANCE									
China, Taiwan	643	1,015	1,047	972	355	n.a.	190	n.a.	n.a.
Mexico	171	208	175	246	272	n.a.	55	n.a.	n.a.
Spain	126	129	92	92	395	n.a.	266	n.a.	n.a.
Other	40	73	89	100	134	n.a.	101	n.a.	n.a.
TOTAL	980	1,425	1,403	1,410	1,156	n.a.	613	n.a.	n.a.
WEST GERMANY									
Belgium-Lux	4	....	....	....	1	....	....	n.a.	n.a.
Brazil	55	56	28	23	21	10	13	n.a.	n.a.
China, Taiwan	4,284	3,605	3,012	2,474	2,074	1,545	1,247	n.a.	n.a.
Japan	....	....	....	2	....	....	....	n.a.	n.a.
Mexico	11	2	2	12	47	89	36	n.a.	n.a.
Netherlands	277	332	297	260	246	237	208	n.a.	n.a.
South Africa	82	....	29	51	114	144	163	n.a.	n.a.
Spain	69	66	95	97	175	189	280	n.a.	n.a.
Other	127	147	148	202	462	464	743	n.a.	n.a.
TOTAL	4,909	4,208	3,611	3,121	3,140	2,678	2,689	n.a.	n.a.
NETHERLANDS									
China, Taiwan	380	387	221	229	178	n.a.	151	n.a.	n.a.
Germany, West	37	30	50	53	54	n.a.	14	n.a.	n.a.
Other	30	19	43	37	49	n.a.	74	n.a.	n.a.
TOTAL	447	436	314	319	282	n.a.	239	n.a.	n.a.
SWEDEN									
China, Taiwan	210	252	256	318	n.a.	171	n.a.	n.a.	n.a.
Mexico	22	27	8	14	n.a.	20	n.a.	n.a.	n.a.
United States	10	8	6	4	n.a.	7	4	n.a.	n.a.
Other	8	14	11	24	n.a.	43	n.a.	n.a.	n.a.
TOTAL	250	301	281	360	n.a.	241	n.a.	n.a.	n.a.
BEANS, GREEN OR WAX — *1,000 cases basis 24/303 cans, 24 lb. per case*									
BELGIUM-LUX									
China, Mainland	232	196	251	240	162	n.a.	125	n.a.	n.a.
France	251	388	420	389	373	n.a.	763	n.a.	n.a.
Italy	67	89	85	75	84	n.a.	77	n.a.	n.a.
Netherlands	327	169	109	121	120	n.a.	168	n.a.	n.a.
Other	263	78	69	52	57	n.a.	80	n.a.	n.a.
TOTAL	930	920	934	877	796	n.a.	1,214	n.a.	n.a.
FRANCE									
Belgium-Lux	127	....	67	274	793	n.a.	377	n.a.	n.a.
Italy	66	218	148	113	86	n.a.	225	n.a.	n.a.
Morocco	610	614	675	930	828	n.a.	1,283	n.a.	n.a.
Spain	14	....	14	11	1	n.a.	23	n.a.	n.a.
Other	49	47	20	38	135	n.a.	406	n.a.	n.a.
TOTAL	866	879	924	1,366	1,843	n.a.	2,314	n.a.	n.a.
NETHERLANDS									
Belgium-Lux	295	109	271	317	348	n.a.	721	n.a.	n.a.
China, Mainland	673	590	782	476	570	n.a.	278	n.a.	n.a.
France	176	150	216	106	78	n.a.	68	n.a.	n.a.
United States	....	....	....	....	1	n.a.	....	n.a.	n.a.
Other	78	67	95	151	63	n.a.	125	n.a.	n.a.
TOTAL	1,222	916	1,364	1,050	1,060	n.a.	1,192	n.a.	n.a.

n.a. - Comparable data not available.

IMPORTS INTO SPECIFIED COUNTRIES, VEGETABLES—Continued

Importing Country and Country of origin	1979	1980	1981	1982	1983	1984	1985	1986	1987
				Calendar Year					
MUSHROOMS—*1,000 cases basis 24 lb., drained weight per case*									
CANADA									
China, Mainland	331	418	355	566	597	920	n.a.	n.a.	n.a.
China, Taiwan	630	595	418	304	195	280	n.a.	n.a.	n.a.
France	76	76	81	101	53	201	296	n.a.	n.a.
Hong Kong	64	38	249	231	232	271	n.a.	n.a.	n.a.
Korea, Republic of	551	185	331	229	107	....	n.a.	n.a.	n.a.
South Africa	49	29	5	....	....	....	n.a.	n.a.	n.a.
United Kingdom	....	....	....	....	....	....	n.a.	n.a.	n.a.
Other	62	38	51	28	50	133	n.a.	n.a.	n.a.
TOTAL	1,763	1,379	1,490	1,459	1,234	1,966	2,606	2,204	n.a.
WEST GERMANY									
Belgium-Lux	122	112	153	92	131	n.a.	123	n.a.	n.a.
China, Mainland	1,631	1,541	1,627	1,200	1,981	n.a.	1,865	n.a.	n.a.
China, Taiwan	3	71	73	47	90	n.a.	7	n.a.	n.a.
France	1,283	1,678	1,759	1,726	2,943	n.a.	3,187	n.a.	n.a.
Italy	168	61	68	41	49	n.a.	20	n.a.	n.a.
Korea, Republic of	2	264	226	112	7	n.a.	....	n.a.	n.a.
Netherlands	2,259	2,364	2,630	2,722	5,311	n.a.	6,440	n.a.	n.a.
Spain	....	55	14	32	29	n.a.	3	n.a.	n.a.
Other	18	51	48	116	45	n.a.	53	n.a.	n.a.
TOTAL	5,486	6,197	6,598	6,088	10,586	n.a.	11,698	n.a.	n.a.
UNITED STATES									
China, Mainland	11	618	1,144	1,526	1,528	1,886	1,916	2,023	2,612
China, Taiwan	1,886	2,239	1,013	1,593	1,772	2,579	2,036	2,183	2,407
Hong Kong	606	816	978	678	711	930	1,293	1,731	900
Korea, Republic of	1,189	809	393	216	333	485	419	322	187
Spain	n.a.	n.a.	7	1	96	640	440	184	202
Other	157	154	126	175	227	484	303	350	261
TOTAL	3,849	4,636	3,661	4,190	4,668	7,004	6,407	6,792	6,569
PEAS—*1,000 cases basis 24/303*									
GERMANY, W.									
Belgium-Lux	2,229	1,670	1,241	1,254	1,500	1,110	1,251	n.a.	n.a.
France	3,312	3,980	3,198	2,779	3,001	2,713	2,499	n.a.	n.a.
Italy	249	388	824	590	156	189	147	n.a.	n.a.
Netherlands	266	338	506	645	656	720	706	n.a.	n.a.
Romania	....	....	14	10	.....	....	....	n.a.	n.a.
Other	26	78	[1]245	159	71	80	71	n.a.	n.a.
TOTAL	6,082	6,454	6,028	5,437	5,385	4,812	4,674	n.a.	n.a.
NETHERLANDS									
Belgium-Lux	697	283	654	872	1,010	n.a.	1,224	n.a.	n.a.
France	641	901	776	190	100	n.a.	29	n.a.	n.a.
Other	31	18	40	102	11	n.a.	90	n.a.	n.a.
TOTAL	1,369	1,202	1,470	1,164	1,121	n.a.	1,344	n.a.	n.a.
TOMATOES—*1,000 cases basis 24/303*									
CANADA									
Bulgaria	15	51	78	152	34	4	n.a.	n.a.	n.a.
China, Taiwan	5	9	18	41	12	65	n.a.	n.a.	n.a.
Israel	301	114	173	162	38	81	n.a.	n.a.	n.a.
Italy	356	465	818	1,019	458	597	1,103	n.a.	n.a.
Portugal	147	102	171	171	175	298	n.a.	n.a.	n.a.
Spain	658	424	800	985	840	1,066	n.a.	n.a.	n.a.
United States	1,502	1,309	1,015	547	443	343	319	243	272
Other	3	12	[2]273	145	42	118	n.a.	n.a.	n.a.
TOTAL	2,987	2,486	3,346	3,222	2,042	2,571	2,794	1,857	1,850
FRANCE									
Bulgaria	6	....	....	....	....	n.a.	....	n.a.	n.a.
Greece	503	260	128	129	11	n.a.	9	n.a.	n.a.
Israel	71	53	73	25	46	n.a.	108	n.a.	n.a.
Italy	2,499	3,328	4,518	3,402	3,507	n.a.	4,810	n.a.	n.a.
Morocco	13	14	20	29	72	n.a.	36	n.a.	n.a.
Spain	265	96	33	62	581	n.a.	236	n.a.	n.a.
Other	18	4	4	....	60	n.a.	30	n.a.	n.a.
TOTAL	3,375	3,755	4,776	3,647	4,278	n.a.	5,229	n.a.	n.a.

n.a. - Comparable data not available. [1] Includes 144 cases from East Europe. [2] Includes 154 cases from Hong Kong.

IMPORTS INTO SPECIFIED COUNTRIES, VEGETABLES—Continued

Importing Country and Country of origin	Calendar Year								
	1979	1980	1981	1982	1983	1984	1985	1986	1987
				CANNED TOMATOES—*Continued*					
GERMANY, W.									
Bulgaria	215	146	292	325	220	83	66	n.a.	n.a.
Greece	401	26	61	74	120	130	63	n.a.	n.a.
Italy	4,063	5,242	6,497	6,540	7,036	7,173	6,758	n.a.	n.a.
Spain	71	44	48	41	179	105	95	n.a.	n.a.
China, Mainland	304	518	70	13	21	....	....	n.a.	n.a.
Israel	176	180	138	71	99	93	116	n.a.	n.a.
Other	15	6	10	18	138	23	13	n.a.	n.a.
TOTAL	5,245	6,162	7,116	7,082	7,813	7,607	7,111	n.a.	n.a.
NETHERLANDS[1]									
Germany, West	102	183	14	33	20	n.a.	17	n.a.	n.a.
Greece	1,083	915	14	7	80	n.a.	14	n.a.	n.a.
Hungary	97	110	....	....	....	n.a.	....	n.a.	n.a.
Italy	657	802	560	486	387	n.a.	697	n.a.	n.a.
Portugal	195	302	....	....	16	n.a.	....	n.a.	n.a.
Spain	160	128	43	40	154	n.a.	91	n.a.	n.a.
Other	73	82	51	18	32	n.a.	26	n.a.	n.a.
TOTAL	2,367	2,522	682	584	688	n.a.	845	n.a.	n.a.
UNITED KINGDOM									
Bulgaria	651	342	467	476	442	n.a.	173	n.a.	n.a.
Italy	13,957	12,843	17,320	16,528	14,321	n.a.	14,020	n.a.	n.a.
Spain	1,773	969	733	524	1,301	n.a.	665	n.a.	n.a.
Other	389	317	402	428	261	n.a.	89	n.a.	n.a.
TOTAL	16,770	14,471	18,922	17,956	16,325	n.a.	14,947	n.a.	n.a.
UNITED STATES									
Greece	1	....	1	....	....	2	n.a.	n.a.	n.a.
Israel	229	173	598	1,030	2,032	1,455	1,414	1,103	776
Italy	1,092	1,171	2,380	3,217	2,536	3,809	4,039	4,530	3,964
Mexico	31	21	13	4	4	....	11	....	1
Morocco	....	....	....	....	....	....	....	n.a.	n.a.
Spain	510	246	983	2,386	2,534	3,067	2,933	2,037	2,156
Other	36	51	77	253	674	1,401	771	660	544
TOTAL	1,899	1,662	4,051	6,959	7,780	9,732	9,168	8,330	7,441

n.a. - Comparable data not available. [1] Data beginning 1981 are Tomatoes, Canned only; previous years included an unknown quantity of Tomato Concentrates.

NEW

12th Ed. Published 6/1/88

THE 1988-89 DIRECTORY OF THE CANNING, FREEZING, PRESERVING INDUSTRIES

FOR FOOD BUYERS, The Directory is the ideal source book. It's the easy way to find basic food products, to find new products to spruce up your menu and to fill out your product line. This well-organized, easy to use directory will give you more detail about each company than any other directory. All of the information that you need to do business intelligently and efficiently with the packer is here. $110 each

See Sample Pages at pages 645-650 this Almanac.

By the Publishers of THE ALMANAC
Edward E. Judge & Sons, Inc.
P.O. Box 866, Westminster, MD 21157 USA (301) 876-2052

ORDER BY PHONE

IMPORTS INTO SPECIFIED COUNTRIES, VEGETABLES—Continued

Importing Country and Country of origin	1979	1980	1981	1982	1983	1984	1985	1986	1987
TOMATO CONCENTRATES—*1,000 cases basis 24/303 cans, 24 lb. per case*									
CANADA									
Greece	189	49	47	34	56	74	n.a.	n.a.	n.a.
Italy	19	7	93	263	366	222	n.a.	n.a.	n.a.
Mexico	123	185	131	84	25	15	n.a.	n.a.	n.a.
Portugal	708	846	840	389	403	454	n.a.	n.a.	n.a.
Spain	153	62	193	51	25	17	n.a.	n.a.	n.a.
United States	955	615	495	272	187	83	[1]701	[1]679	[1]710
Other	258	79	322	294	395	431	n.a.	n.a.	n.a.
TOTAL	2,405	1,843	2,121	1,387	1,457	1,295	[1]2,759	[1]2,578	[1]2,639
FRANCE									
Greece	311	266	182	148	822	n.a.	n.a.	n.a.	n.a.
Italy	959	1,173	1,542	1,308	1,110	n.a.	n.a.	n.a.	n.a.
Morocco	66	4	1	....	54	n.a.	n.a.	n.a.	n.a.
Spain	187	39	36	36	56	n.a.	n.a.	n.a.	n.a.
Other	353	104	55	56	37	n.a.	n.a.	n.a.	n.a.
TOTAL	1,876	1,586	1,816	1,548	2,078	n.a.	n.a.	n.a.	n.a.
GERMANY, W.									
Greece	810	889	426	954	853	854	n.a.	n.a.	n.a.
Hungary	....	....	....	13	31	69	n.a.	n.a.	n.a.
Italy	3,894	4,032	4,452	4,399	4,836	5,213	n.a.	n.a.	n.a.
Netherlands	15	10	25	17	12	....	n.a.	n.a.	n.a.
Portugal	38	33	5	3	3	4	n.a.	n.a.	n.a.
Spain	65	....	136	145	160	166	n.a.	n.a.	n.a.
Turkey	29	47	42	51	68	46	n.a.	n.a.	n.a.
Israel	66	....	163	76	48	57	n.a.	n.a.	n.a.
Other	139	94	107	96	442	370	n.a.	n.a.	n.a.
TOTAL	5,056	5,105	5,356	5,754	6,454	6,779	n.a.	n.a.	n.a.
JAPAN									
United States	112	108	58	47	41	n.a.	n.a.	n.a.	n.a.
Bulgaria	11	4	5	....	1	n.a.	n.a.	n.a.	n.a.
Greece	....	44	....	44	397	n.a.	n.a.	n.a.	n.a.
Portugal	358	518	332	283	353	n.a.	n.a.	n.a.	n.a.
Turkey	....	1	....	35	437	n.a.	n.a.	n.a.	n.a.
Chile	109	27	....	36	163	n.a.	n.a.	n.a.	n.a.
China, Mainland	269	281	421	300	357	n.a.	n.a.	n.a.	n.a.
China, Taiwan	2,852	3,491	2,422	2,155	2,376	n.a.	n.a.	n.a.	n.a.
Mexico	9	10	....	....	....	n.a.	n.a.	n.a.	n.a.
Other	28	9	24	29	19	n.a.	n.a.	n.a.	n.a.
TOTAL	3,748	4,493	3,262	2,929	4,144	n.a.	n.a.	n.a.	n.a.
SWEDEN									
Argentina	19	.....	....	....	n.a.	....	n.a.	n.a.	n.a.
Bulgaria	104	56	39	70	n.a.	....	n.a.	n.a.	n.a.
China, Mainland	132	162	44	62	n.a.	....	n.a.	n.a.	n.a.
Hungary	48	52	64	97	n.a.	157	n.a.	n.a.	n.a.
Israel	110	117	68	83	n.a.	79	n.a.	n.a.	n.a.
Italy	296	619	678	703	n.a.	497	n.a.	n.a.	n.a.
Portugal	184	270	262	239	n.a.	306	n.a.	n.a.	n.a.
Spain	487	479	418	586	n.a.	780	n.a.	n.a.	n.a.
Other	25	38	49	84	n.a.	90	n.a.	n.a.	n.a.
TOTAL	1,405	1,793	1,622	1,924	n.a.	1,943	n.a.	n.a.	n.a.
UNITED KINGDOM									
Greece	2,027	1,822	1,722	2,697	2,449	n.a.	n.a.	n.a.	n.a.
Israel	357	130	234	162	110	n.a.	n.a.	n.a.	n.a.
Italy	1,269	1,680	2,281	2,683	2,104	n.a.	n.a.	n.a.	n.a.
Portugal	1,377	1,526	457	335	567	n.a.	n.a.	n.a.	n.a.
Spain	531	544	287	136	176	n.a.	n.a.	n.a.	n.a.
Turkey	167	130	310	441	922	n.a.	n.a.	n.a.	n.a.
Other	686	662	121	158	371	n.a.	n.a.	n.a.	n.a.
TOTAL	6,414	6,494	5,412	6,612	6,698	n.a.	n.a.	n.a.	n.a.
UNITED STATES									
Chile	215	8	81	126	139	103	125	124	249
China, Taiwan	121	1	349	2,126	953	501	125	95	81
Israel	227	67	790	1,044	1,382	1,286	1,636	1,692	648
Italy	....	....	....	990	1,113	627	945	855	679
Mexico	949	781	694	1,504	1,329	1,830	634	1,239	1,403
Portugal	103	187	460	1,133	1,314	1,910	1,302	1,591	703
Spain	149	17	276	394	572	615	788	573	425
Turkey	....	....	57	260	287	143	137	361	368
Other	105	69	390	1,584	593	444	347	381	381
TOTAL	1,869	1,130	3,097	9,161	7,682	7,460	6,041	6,911	4,936

n.a. - Comparable data not available. [1] Data is for canned tomato paste and tomato paste otherwise prepared or preserved.

FRUIT PACKS IN SPECIFIED COUNTRIES BY COMMODITY

SOURCE: United States Department of Agriculture, Foreign Agricultural Service
Horticultural and Tropical Products Division

NOTE: The annual canned fruit packs in the Southern Hemisphere countries (Australia, South Africa, etc.) commence in November or December of each year and become seasonally heavy in the following January or February. For the purposes of this table such packs are aligned with the U.S. packing marketing season which commences the following summer. For example, the Southern Hemisphere packs completed in early 1984 are shown under the column for 1984 (marketing season 1984-85).

MARKETING SEASONS BEGINNING YEAR SHOWN

Commodity and Country	1980	1981	1982	1983	1984	1985	1986	*1987
	1,000 cases, equiv. 24/2½'s (45 lbs.)							
APPLES & APPLESAUCE								
Canada	710	694	784	797	707	823	668	735
Germany, West	2,194	2,211	1,932	1,820	1,643	1,743	1,862	1,865
South Africa	238	204	223	173	231	184	n.a.	n.a.
United States	12,284	10,136	12,461	12,033	n.a.	n.a.	n.a.	n.a.
APRICOTS								
Australia	341	545	240	436	235	283	284	421
Canada	66	31	46	33	32	32	29	24
Greece	1,676	2,515	1,999	2,352	2,352	4,595	3,375	3,493
South Africa	1,098	707	587	470	570	373	429	500
Spain	980	980	1,372	1,062	2,058	1,842	1,382	1,372
United States	2,994	1,208	1,626	1,167	1,861	1,532	505	1,281
CHERRIES								
France	495	421	666	568	769	534	309	583
Germany, West	2,004	1,717	2,286	2,852	2,447	2,102	2,195	2,520
Italy	375	416	490	588	588	343	294	49
Japan	450	539	616	755	381	615	537	457
United States:								
Red Pitted	545	213	471	189	389	390	253	474
Sweet	428	316	498	496	357	405	327	451
FRUIT MIXTURES								
Argentina	132	220	245	318	279	284	245	245
Australia	1,511	1,728	958	1,176	1,264	1,377	1,377	1,460
France[1]	991	1,070	1,112	1,333	1,450	1,200	1,102	1,102
Italy	2,915	2,603	3,062	3,478	3,821	4,164	4,017	3,331
Japan	295	185	192	156	148	187	189	171
South Africa	2,454	1,935	1,280	1,692	1,757	1,887	1,631	2,034
United States	19,306	14,895	12,028	9,596	11,177	12,567	10,821	11,777
PEACHES								
Argentina	1,911	1,861	1,862	2,205	2,009	2,205	1,715	1,764
Australia	2,645	3,406	1,841	1,888	1,279	2,185	2,067	2,067
Canada	238	142	252	206	140	309	260	321
Chile	563	612	588	563	661	784	931	1,103
France[1]	466	1,237	1,249	1,636	1,435	1,724	1,670	1,519
Greece	5,696	4,605	7,038	7,741	9,014	9,161	10,705	8,353
Italy	2,165	1,874	2,205	2,548	3,919	3,968	3,821	3,772
Japan	2,020	1,805	1,884	1,703	1,393	1,554	1,372	1,225
South Africa	6,443	4,158	3,652	3,252	3,863	3,063	3,613	3,455
Spain[1]	600	784	1,568	3,088	4,164	4,115	3,723	4,410
United States	26,765	21,763	18,608	11,421	19,512	18,401	15,506	15,898
PEARS								
Australia	2,705	2,284	1,046	1,425	1,363	1,734	1,734	1,406
Canada	487	398	296	261	238	271	261	267
France[1]	554	886	1,298	1,210	1,357	1,239	926	1,176
Italy	2,250	2,582	3,037	3,282	2,841	2,126	2,082	2,376
Japan	30	30	64	33	23	31	27	24
South Africa	1,782	1,415	938	1,051	1,300	1,542	1,131	1,415
United States	10,928	9,700	7,789	7,214	7,657	7,813	7,209	9,125
PLUMS & PRUNES								
Canada	[4]71	[4]57	52	20	34	40	39	40
Germany, West	700	338	874	636	607	786	400	744
United Kingdom	495	378	n.a.	492	487	534	n.a.	n.a.
United States	1,066	940	375	443	577	642	632	488

See Notes on Following Page

WORLD FRUIT PACKS BY COMMODITY — Continued

Commodity and Country	1980	1981	1982	1983	1984	1985	*1986	1987
PINEAPPLE								
Australia	1,587	1,715	1,421	1,519	1,871	1,687	n.a.	n.a.
Ivory Coast	2,758	2,841	784	490	984	1,176	980	n.a.
Kenya	1,884	n.a.	n.a.	n.a.	1,653	2,181	2,241	n.a.
Malaysia	2,096	1,764	1,862	1,911	2,129	2,146	1,929	n.a.
Martinique[3]	393	456	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Mexico	3,545	3,135	1,225	392	614	931	931	n.a.
Philippines	13,522	10,435	10,239	8,818	16,845	11,056	10,283	n.a.
South Africa	2,666	2,890	2,694	2,597	2,547	3,150	2,787	n.a.
Taiwan	1,817	245	98	196	327	518	598	n.a.
Thailand	6,393	7,839	7,104	6,712	9,303	10,680	11,611	n.a.
Hawaii	6,940	6,810	8,181	9,112	7,251	[2]6,663	[2]7,740	n.a.

[1] Syrup pack only. [2] USDA estimate based on the assumption of a 34% cannery yield. [3] Imports into France. [4] Plums only. * Preliminary. n.a. - Not available.

FRUIT PACKS BY COUNTRY

1,000 cases, equiv. 24/2½'s (45 lbs.)

(Pack year - See note under head on previous page.)

Country and Commodity	1980	1981	1982	1983	1984	1985	1986	*1987
AUSTRALIA								
Apricots	341	545	240	436	235	283	284	421
Fruit Mixtures	1,511	1,728	958	1,176	1,264	1,377	1,377	1,460
Peaches	2,645	3,406	1,841	1,888	1,279	2,185	2,067	2,067
Pears	2,705	2,284	1,046	1,425	1,363	1,734	1,734	1,406
Pineapple	1,587	1,715	1,421	1,519	1,871	1,687	n.a.	n.a.
Total (these prod.)	8,789	9,678	5,506	6,444	6,012	7,266	5,462	5,354
CANADA								
Apples & Sauce	710	694	784	797	707	823	668	735
Apricots	66	31	46	33	32	32	29	24
Peaches	238	142	252	206	140	309	260	321
Pears	487	398	296	261	238	271	261	267
Plums & Prunes	71	57	52	20	34	40	39	40
Total (these prod.)	1,572	1,322	1,430	1,317	1,151	1,475	1,257	1,387
FRANCE[1]								
Cherries	495	421	666	568	769	534	309	583
Fruit Mixtures	991	1,070	1,112	1,333	1,450	1,200	1,102	1,102
Peaches	466	1,237	1,249	1,636	1,435	1,724	1,670	1,519
Pears	554	886	1,298	1,210	1,357	1,239	926	1,176
Total (these prod.)	2,506	3,614	4,326	4,747	5,011	4,697	4,007	4,380
GERMANY, WEST								
Apples & Sauce	2,194	2,211	1,932	1,820	1,643	1,743	1,862	1,865
Cherries	2,004	1,717	2,286	2,852	2,447	2,102	2,195	2,520
Plums & Prunes	700	338	874	636	607	786	400	744
Total (these prod.)	4,898	4,266	5,092	5,308	4,698	4,631	4,457	5,129
GREECE								
Apricots	1,676	2,515	1,999	2,352	2,352	4,595	3,375	3,493
Peaches	5,696	4,605	7,038	7,741	9,014	9,161	10,705	8,353
Total (these prod.)	7,372	7,120	9,036	10,092	11,366	13,756	14,080	11,846
ITALY								
Cherries	375	416	490	588	588	343	294	49
Fruit Mixtures	2,915	2,603	3,062	3,478	3,821	4,164	4,017	3,331
Peaches	2,165	1,874	2,205	2,548	3,919	3,968	3,821	3,772
Pears	2,250	2,582	3,037	3,282	2,841	2,126	2,082	2,376
Total (these prod.)	7,705	7,475	8,794	9,896	11,169	10,601	10,214	9,528
SOUTH AFRICA								
Apples & Sauce	238	204	223	173	231	184	n.a.	n.a.
Apricots	1,098	707	587	470	570	373	429	500
Fruit Mixtures	2,454	1,935	1,280	1,692	1,757	1,887	1,631	2,034
Peaches	6,443	4,158	3,652	3,252	3,863	3,063	3,613	3,455
Pears	1,782	1,415	938	1,051	1,300	1,542	1,131	1,415
Pineapple	2,666	2,890	n.a.	2,597	2,547	3,150	2,787	n.a.
Total (these prod.)	14,681	11,309	6,680	9,235	10,268	10,199	9,591	7,404

* Preliminary. [1] Syrup pack only.

VEGETABLE PACKS IN SPECIFIED COUNTRIES BY COMMODITY

(Pack year—See note under fruit packs, this section)

SOURCE: United States Department of Agriculture, Foreign Agricultural Service
Horticultural and Tropical Products Division

Item & Country	1979	1980	1981	1982	1983	1984	r1985	r1986	*1987
				1,000 cases, equiv. 24/303's (24 lbs.)					
ASPARAGUS									
Canada	536	659	629	530	379	473	729	288	505
France	140	96	118	73	85	n.a.	65	40	40
Japan	1,145	1,106	878	n.a.	759	666	508	459	413
Spain	2,140	2,296	2,067	1,791	2,067	3,674	3,491	n.a.	n.a.
Taiwan	6,853	8,071	5,191	5,733	n.a.	n.a.	n.a.	n.a.	n.a.
United States	2,819	2,535	2,844	2,727	2,549	2,928	3,097	3,154	3,361
BEANS, GREEN									
Canada	1,698	1,808	1,611	1,577	1,752	1,592	1,352	883	1,430
France (a)	19,165	2,065	2,330	1,727	1,268	14,482	20,172	20,025	18,372
Germany, W.	3,249	2,284	2,576	2,439	1,603	1,098	2,164	2,476	1,381
Italy	2,664	2,710	2,480	1,598	1,678	n.a.	1,918	2,081	2,237
United States	62,624	54,769	49,797	46,335	44,227	49,566	53,229	46,915	54,008
BEANS, WAX									
Canada	1,657	1,574	1,379	1,435	1,416	1,247	1,155	1,008	1,102
United States	3,657	3,384	3,012	2,496	2,279	2,523	2,274	1,935	1,943
BEANS, LIMA									
United Kingdom	937	873	781	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
United States	3,061	2,833	2,602	2,275	2,338	2,316	1,966	1,738	1,329
BEETS									
Canada	833	612	531	406	399	670	480	439	413
United States (b)	15,103	10,878	9,657	10,868	9,039	9,292	9,386	9,042	*11,542
CARROTS									
Canada	.....	.....	.....	.....	.....	326	323	278	285
Germany, W.	1,080	685	1,075	1,117	645	680	916	539	375
United Kingdom	4,712	5,153	5,778	n.a.	5,152	4,013	4,754	n.a.	n.a.
United States (b)	7,267	4,365	5,251	5,932	4,695	5,100	4,486	4,344	*5,061
CORN									
Canada (c)	2,783	2,650	2,641	2,892	2,526	2,959	3,009	2,219	2,756
France	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	4,343	2,508	4,134
Italy	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1,562	1,640	1,640
United States	60,022	50,574	57,949	60,522	51,595	56,879	55,729	55,090	59,177
MUSHROOMS									
Canada	386	543	661	894	735	597	643	689	643
France	9,723	9,605	9,723	11,060	12,181	n.a.	6,467	5,870	6,338
Germany, W.	318	409	371	331	469	288	277	286	376
Korea, Rep.	1,850	1,177	692	485	445	603	503	271	349
Taiwan	4,047	2,785	2,477	2,312	2,316	2,324	2,563	2,455	1,768
PEAS, GREEN									
Canada	3,718	3,508	3,080	3,312	2,403	3,860	3,889	2,109	2,664
France	18,750	12,560	15,582	14,220	17,416	n.a.	10,332	10,876	12,508
Germany, W.	805	672	700	1,127	462	450	609	780	397
Italy	.....	.....	.....	4,156	4,172	n.a.	3,996	4,235	4,400
United Kingdom	5,962	6,099	5,438	n.a.	5,179	5,083	4,256	n.a.	n.a.
United States	36,492	30,056	27,296	24,790	20,827	23,312	29,306	20,919	23,057
SAUERKRAUT									
Germany, W.	9,791	8,729	11,724	12,294	10,286	12,077	12,144	9,071	6,986
United States (b)	[1]9,016	[1]8,173	[1]8,686	[1]8,417	[1]5,844	7,011	7,687	7,719	n.a.
SPINACH									
France	1,403	1,903	1,672	2,058	2,728	n.a.	2,352	2,352	2,352
United States (b)	8,121	6,314	5,458	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
TOMATOES									
Canada	4,654	4,078	4,948	6,940	4,674	6,762	5,221	4,379	3,858
Greece	2,296	2,756	1,002	907	815	1,158	1,470	1,470	1,102
Italy	101,044	97,369	92,777	77,750	101,045	126,233	82,673	53,921	89,654
Portugal	611	562	735	919	520	490	334	n.a.	n.a.
Spain	10,104	10,564	8,175	18,464	18,555	23,792	18,601	10,674	16,259
Taiwan	525	799	367	564	768	1,745	659	628	603
United States	52,896	53,096	51,937	63,089	61,561	66,376	59,585	63,148	73,237

(a) Prior to 1980, included green beans, string beans and butter beans. (b) Pack beginning year shown. (c) Whole kernel only. n.a. - Not available. [1] Tin & glass only. r - revised. *Preliminary.

WORLD VEGETABLE PACKS BY COMMODITY — Continued

Item & Country	1979	1980	1981	1982	1983	1984	r1985	r1986	*1987
TOMATO CONCENTRATES									
Canada	480	534	911	1,495	1,106	1,525	1,927	2,359	2,572
France	4,077	4,970	4,950	4,593	3,693	4,510	5,282	3,311	2,854
Greece	11,946	14,601	11,946	14,886	16,332	23,755	20,981	11,510	12,897
Italy	29,854	27,282	28,017	28,833	34,906	52,001	37,258	24,343	20,209
Mexico	4,409	5,511	5,144	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Portugal	7,879	6,707	5,971	7,040	9,078	10,858	11,539	8,967	7,147
South Africa	485	363	....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Spain	3,491	4,501	4,614	6,246	6,430	7,716	6,853	5,144	5,236
Taiwan	3,204	2,388	3,674	4,038	3,647	5,493	3,674	3,338	2,978
Turkey	4,593	4,409	4,593	n.a.	n.a.	11,023	14,238	9,186	12,860
TOMATO JUICE									
Canada	8,937	7,590	8,821	8,505	7,129	8,727	6,449	6,178	5,695
Greece	1,378	1,838	873	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Italy	4,225	10,104	2,388	n.a.	n.a.	2,030	1,837	1,837	1,929
Spain	349	367	276	257	n.a.	n.a.	n.a.	n.a.	n.a.
United States	31,517	26,617	17,507	23,955	n.a.	n.a.	n.a.	n.a.	n.a.

[1] Includes small quantities of canned tomatoes. r - revised. *Preliminary.

VEGETABLE PACKS BY COUNTRY

1,000 cases, equiv. 24/303's (24 lbs.)

	1979	1980	1981	1982	1983	1984	r1985	r1986	*1987
CANADA									
Asparagus	536	659	629	530	379	473	729	288	505
Beans, grn.	1,698	1,808	1,611	1,577	1,752	1,592	1,352	883	1,430
Beans, wax	1,657	1,574	1,379	1,435	1,416	1,247	1,155	1,008	1,102
Beets	833	612	531	406	399	670	480	439	413
Carrots	.....	.....	.....	.....	.....	326	323	278	285
Corn	[1]2,783	[1]2,650	[1]2,641	[1]2,892	2,526	2,959	3,009	2,219	2,756
Mushrooms	386	543	661	894	735	597	643	689	643
Peas, green	3,718	3,508	3,080	3,312	2,403	3,860	3,889	2,109	2,664
Tomatoes	4,654	4,078	4,948	6,940	4,674	6,762	5,221	4,379	3,858
Tomato Juice	8,937	7,590	8,821	8,505	7,129	8,727	6,449	6,178	5,695
FRANCE									
Asparagus	140	96	118	73	85	n.a.	65	40	40
Beans, grn.[2]	19,165	2,065	2,330	1,727	1,268	14,482	20,172	20,025	18,372
Corn	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	4,343	2,508	4,134
Mushrooms	9,723	9,605	9,723	11,060	12,181	n.a.	6,467	5,870	6,338
Peas, green	18,750	12,560	15,582	14,220	17,416	n.a.	10,332	10,876	12,508
Spinach	1,403	1,903	1,672	2,058	2,315	n.a.	2,352	2,352	2,352
Tomato conc.[3]	4,077	4,970	4,950	4,593	3,693	4,510	5,282	3,311	2,854
GERMANY, WEST									
Beans, grn.	3,249	2,284	2,576	2,439	1,603	1,098	2,164	2,476	1,381
Carrots	1,080	685	1,075	1,117	645	680	916	539	375
Mushroom	318	409	371	331	469	288	277	286	376
Peas, green	805	672	700	1,127	462	450	609	780	397
Sauerkraut	9,791	8,729	11,724	12,294	10,286	12,077	12,144	9,071	6,986
ITALY									
Beans, grn.	2,664	2,710	2,480	1,598	1,678	n.a.	1,918	2,081	2,237
Corn	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	1,562	1,640	1,640
Peas, grn.	4,593	4,593	4,593	4,156	4,172	n.a.	3,996	4,235	4,400
Tomatoes	101,044	97,369	92,777	77,750	101,045	126,233	82,673	53,921	89,654
Tomato conc.	26,897	27,282	28,017	28,833	34,906	52,001	37,258	24,343	20,209
Tomato juice	4,225	10,104	2,388	2,205	n.a.	n.a.	1,837	1,837	1,929
PORTUGAL									
Tomato conc.	7,879	6,707	5,785	7,040	9,078	10,858	11,539	8,967	7,147
SPAIN									
Asparagus	2,140	2,296	2,067	1,791	2,067	3,674	3,491	n.a.	n.a.
Tomato conc.	3,491	4,501	3,858	6,246	6,430	7,716	6,853	5,144	5,236
Tomatoes	10,104	10,564	8,175	18,464	18,555	23,792	18,601	10,674	16,259
UNITED KINGDOM									
Beans, butter	937	873	781	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Carrots	4,712	5,153	5,778	n.a.	5,152	4,013	4,754	n.a.	n.a.
Peas, grn.	5,962	6,099	5,438	n.a.	5,179	5,083	4,256	n.a.	n.a.

[1] Whole kernel only. [2] Prior to 1980, included green beans, string beans and butter beans. [3] Includes small quantities of canned tomatoes. r - revised. *Preliminary.

THE ALMANAC

OF THE CANNING, FREEZING, PRESERVING INDUSTRIES

Section X

CANNED FOOD PRICES

Source: monthly issues of " Food Production Management" Magazine

Prices given represent the high and low canners spot selling price, f.o.b. factory, subject to customary discounts, including brokerage. Prices per case, unless otherwise noted. The first price (or range) for a given item, in a given year, does not necessarily represent the price for the first of the month indicated, as every effort was made to reflect opening prices. Date of opening prices depends on the season, the area and the market situation. Where no price is shown, no price was listed in the Source.

VEGETABLES

	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
BEANS—GR., SNAP							
East, fcy, cut, 3 sv. 24/303							
Aug. 1	7.00-7.20	6.75-7.20	6.90-7.35	7.50-8.35	7.95	7.85	7.95
Oct. 1	7.00-7.10	6.50-7.20	7.25-8.35	7.50-8.25	7.95	7.95	7.95
Jan. 1	7.00-7.20	6.25-6.90	7.25-8.35	7.85-8.00	7.95	7.95	7.95
Apr. 1	7.00-7.20	6.40-6.90	7.60-8.35	8.00-8.10	7.95	7.95	7.50-7.75
East fcy. fr. style, 24/303							
Aug. 1	7.25-7.50	6.80-7.50	7.40-8.00	7.50-8.50	8.25	8.25	8.25
Oct. 1	7.00-7.25	6.75-7.50	7.75-8.75	7.50-8.25	8.25	8.25	8.25
Jan. 1	7.00-7.50	6.75-7.50	7.75-8.75	8.25-8.50	8.25	8.25	8.25
Apr. 1	6.80-7.50	7.00-7.50	7.50-8.75	8.50	8.25	8.25	8.00
Midwest ex. std. cut, 4 sv. 24/303							
Aug. 1	6.25	5.50-5.60	6.35	7.25	7.25	6.00-6.50	6.75
Oct. 1	6.25	5.35-5.50	6.25-6.50	7.00-7.25	6.50-6.75	6.00-6.50	7.00
Jan. 1	5.70-6.25	5.35-5.75	6.40-6.50	7.00	6.50-6.75	6.50-6.75	7.00
Apr. 1	5.60-5.75	5.35-5.50	6.50-7.00	7.25	6.75	6.75-7.00	7.00
South Std. cut 24/303							
Aug. 1	6.25	6.00	6.00	6.50	6.25-6.75	6.25	6.50
Oct. 1	6.25	6.00	6.25	6.50	6.25	6.50	6.50
Jan. 1	6.25	6.00	6.25	6.50	6.25	6.50	6.50
Apr. 1	6.00	6.00	6.25-6.50	6.75	6.00-6.75	6.50	6.50

CANNED FOOD PRICES—Continued

	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
N.W. Bl. Lakes fcy. cut 3 sieve							
24/303							
Aug. 1	7.50	6.20-7.30	6.50-7.45	8.00	7.75-7.85	7.25-7.50	7.25-7.50
Oct. 1	7.25	5.90-7.30	6.95-8.45	8.00	7.25-7.35	7.25	7.25-7.50
Jan. 1	7.25	5.90-7.00	6.95-7.70	8.00	7.25-7.35	7.75	7.25-7.50
April 1	7.00	5.80-6.60	7.25-7.70	8.25	6.75-7.35	7.75	7.25-7.50
6/10							
Aug. 1	9.50	7.50-10.50	9.25-9.50	11.50	9.50	9.00-9.50	9.50-10.00
Oct. 1	9.50	8.75-10.50	9.75-10.25	11.50	9.25	9.00	9.50-11.00
Jan. 1	9.50	8.75-10.50	10.00-10.25	11.50	8.75-9.25	9.50	9.75-11.00
April 1	9.00	9.00-9.25	10.75	11.50	7.95-8.75	9.50	9.75-10.25
BEANS (WAX)							
East fcy. cut 3 sieve 24/303							
Aug. 1	7.50	6.50-7.50	7.25-7.70	8.25-8.40	8.00-8.25	8.25	8.25
Oct. 1	7.30	7.30-7.50	7.50-8.45	8.00-8.25	8.00-8.25	8.25	8.25
Jan. 1	6.50-7.50	6.50-7.50	7.50-8.45	8.00-8.25	8.25	8.25	8.25
April 1	6.50-7.50	6.75-7.50	8.00-8.45	8.00	8.25	8.25	n.a.
BEANS LIMA (Fr. Gr.)							
East, fcy. Tiny gr. 24/303							
Oct. 1	10.00-11.00	10.00-11.35	10.00-11.50	10.35-10.75	10.75-11.50	11.00	11.00
Jan. 1	10.00-11.20	10.00-11.35	10.00-11.50	10.75	11.00	11.00	11.00
Apr. 1	10.00-11.20	10.25-11.35	10.00-10.50	10.75-11.50	11.00	11.00	11.75
July 1	10.00-11.20	10.00-11.35	10.00-10.50	10.75-11.50	11.00	11.00	12.25
Midwest fcy., med. gr 24/303							
Oct. 1	8.75-9.25	9.25	9.00-9.25	9.00-9.75	9.50-9.75	9.25-9.75	9.75
Jan. 1	9.25	9.25	9.00-9.25	9.35-9.75	9.35-9.75	9.50-9.75	9.75
Apr. 1	9.25	9.25	9.50-9.75	9.35-9.75	9.25-9.75	9.50-9.75	9.75
July 1	9.00-9.25	9.00-9.25	9.50	9.25-9.75	9.25-9.75	9.50-9.75	9.35-10.50
BEETS							
East, fcy, diced, 24/303							
Oct. 1	6.30	6.25	6.60	6.60	6.75	7.25	7.25
Jan. 1	6.05	6.25	6.60	6.60	6.75	7.25	7.25
Apr. 1	6.05	6.25	6.60	7.00-7.25	7.00	7.25	6.75-7.25
July 1	6.25	6.60	6.60	7.25	7.25	7.25	7.25
Midwest fcy. sl. 24/303							
Oct. 1	6.35	6.15-6.40	6.35-6.85	7.00-7.25	7.25-7.35	7.35-8.00	7.75-8.00
Jan. 1	6.15-6.35	6.15-6.40	6.35-6.85	6.90-7.50	7.25-7.40	7.75-8.00	7.75-8.00
Apr. 1	6.15-6.35	6.15-6.35	6.40-6.75	7.00-7.50	7.40-7.75	7.75-8.00	7.00-8.00
July 1	6.15-6.35	6.25-6.85	6.50-7.25	7.25-8.25	7.40-8.25	7.75-8.15	8.00-8.50
CARROTS							
Midwest fcy. diced, 24/303							
Oct. 1	5.75-6.75	6.50	6.50	6.50-6.60	6.50-7.00	6.50-6.75	6.50-7.25
Jan. 1	6.50-6.75	6.50-6.75	6.50	6.50-6.60	6.50	6.50-6.75	6.50-7.00
Apr. 1	6.50-6.75	6.50	6.50	6.50	6.50-6.75	6.50-7.25	6.50-7.00
July 1	6.50-6.75	6.50-7.50	6.50	6.50	6.50-6.75	6.75	7.25-7.75
Midwest fcy. sl. 24/303							
Oct. 1	7.25	6.75	6.75-7.00	7.00-7.25	6.85-7.25	7.00-7.50	7.50-8.00
Jan. 1	6.90-7.25	6.75-7.25	6.75-7.00	7.00-7.25	7.00-7.50	7.25-7.50	7.25-7.75
Apr. 1	6.75-7.25	6.75-7.00	6.75-7.25	7.00-7.25	7.00-7.50	7.50-8.00	7.50-7.75
July 1	6.75-7.25	6.75-7.00	6.90-7.25	6.85-7.25	7.00-7.50	7.25-8.00	8.00-8.50
CORN-SWEET (C.S. & W.K.)							
Midwest fcy., gold 24/303							
Sept. 1	8.75-9.00	8.00-8.50	8.25	8.15-8.25	6.25-7.15	7.25	7.25
Jan. 1	7.75-8.50	7.50-8.00	8.25	7.50-7.75	6.25-6.90	7.25-7.50	7.25
Apr. 1	8.00	7.25-7.75	8.25	6.75-7.25	6.50-6.75	7.50	7.25-7.50
July 1	8.00-8.50	8.00	8.25-8.50	6.75	7.00-7.25	7.50	7.00-7.50
6/10							
Sept. 1	11.00-12.00	12.50-13.50	11.50-13.75	10.25-14.00	9.00-11.00	9.00-11.00	10.50-11.95
Jan. 1	11.50-12.00	12.50-14.00	12.00-13.95	9.95-12.25	8.50-11.00	9.50-11.00	11.00-12.75
Apr. 1	13.00-13.50	11.50-13.30	12.00-14.25	10.25	8.50-11.00	10.00-11.50	12.00-12.25
July 1	13.00-14.50	11.00-13.50	10.75-14.00	9.25-11.50	8.50-10.25	11.00-12.25	12.00-13.00
East, fcy. gold 24/303							
Sept. 1	8.75	8.75-9.30	8.95-9.30	8.50-9.30	7.50-8.25	8.00	8.00
Jan. 1	8.75-9.30	8.40-9.30	8.25-9.30	8.00-8.50	7.50-8.00	8.00	8.00
Apr. 1	8.75-9.30	8.40-9.30	8.25-9.30	8.00	7.50	7.75-8.00	8.00
July 1	8.75-9.30	8.95-9.30	8.50-9.30	7.50-8.25	7.50	8.00	7.65-7.85

CANNED FOOD PRICES—Continued

	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
PEAS, ALASKA							
Midwest fcy., 2 sv., 24/303							
July 1	9.00	8.00-8.50	8.25-8.75	9.50-9.75	10.00-10.25	8.50-9.00	8.75-9.25
Oct. 1	9.00	7.90-8.50	8.75-9.25	10.00	9.00-9.75	8.50-8.75	8.75-9.25
Jan. 1	8.00-8.75	7.90-8.50	9.25	10.00	9.00-9.25	8.75	8.75-9.25
Apr. 1	8.00-8.50	7.50-7.75	9.50	10.00	8.25-9.00	8.75-9.00	8.75-9.25
Midwest Ex. Std., 3 sv. 24/303							
July 1	7.50	6.75	7.50-7.75	8.75	8.50-8.75	7.00	7.50-7.75
Oct. 1	7.50	6.25-6.50	7.75-8.00	8.75	7.00-7.75	7.00	7.50-7.75
Jan. 1	6.75-7.75	6.50	8.00-8.25	8.75	7.00-7.75	7.25-7.50	7.50-7.75
Apr. 1	6.75	6.50	8.75	8.75	6.00-7.00	7.75-8.00	7.50-7.75
6/10							
July 1	10.25-10.50	10.20-10.25	10.75-11.00	13.00-13.25	12.75-13.50	9.25-9.75	9.00-9.75
Oct. 1	9.95-10.25	10.25	11.50-12.00	13.25-13.50	10.00-11.00	8.25-9.75	9.75-10.00
Jan. 1	9.75-10.25	10.25-10.50	13.00	13.50-13.75	9.75-10.25	9.00-9.75	10.25-10.50
Apr. 1	10.20-10.25	10.75	13.25	13.50-13.75	8.50-9.75	9.00-9.75	10.50-11.25

SNYDER SALES SERVICE, INC.

750 PLEASANT ST.
BELMONT, MASS. 02178
617—484-8212

Offering the most complete canned foods coverage in NEW ENGLAND

Contact: **DAVID SNYDER**
ROBERT SNYDER

NATIONAL FOOD BROKERS ASSOCIATION

Telex #92-1408
Fax 617 484-2279

CANNED FOOD PRICES—Continued

	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
PEAS, SWEET							
Midwest Ung., fcy, 24/303							
July 1	8.00-8.25	6.75	7.75	8.75	8.50	7.25	8.00
Oct. 1	8.00	6.50	8.25	8.75	7.00	7.25	8.00
Jan. 1	6.75-7.50	6.75	8.50	8.75	7.00	7.50	8.00
Apr. 1	6.75-7.25	7.00-7.25	8.75	8.75	6.00	8.00	8.00
Midwest Ung. Ex. Std., 24/303							
July 1	7.35-7.50	6.40	7.25	8.50	8.25	6.75	7.25-7.50
Oct.	7.50	6.25	7.40	8.50	6.50	6.75	7.25
Jan. 1	6.40-6.75	5.95	8.00	8.50	6.50	7.00	7.25
Apr. 1	6.40-6.75	6.50	.....	8.50	5.75	7.50	7.25
6/10							
July 1	9.50-9.75	9.75	10.75	12.75	11.25	7.95	8.25-8.75
Oct. 1	8.95-9.75	10.25	11.50	12.75	9.50	7.95	9.00-9.25
Jan. 1	8.75-9.25	10.25	12.75	13.00	8.75	8.25	9.25
Apr. 1	9.25-9.50	10.75	.....	11.75	7.50	8.25	10.25
East Ung., ex. std., 24/303							
July 1	7.50	7.00	8.00	8.75-9.25	9.00	9.00	.....
Oct. 1	8.00	6.75	8.00	9.00	.....	9.00	.....
Jan. 1	7.50	6.50	8.50	9.25	.....	9.00	.....
Apr. 1	7.50	7.00	8.75	9.25	.....	9.00	7.50-7.75
East Ung. Std., 24/303							
July 1	7.00	6.50	7.50	8.00-8.75	8.50	8.50	.....
Oct. 1	7.25	6.25	7.50	8.75	.....	8.50	.....
Jan. 1	7.25	6.25	7.75	9.00	.....	8.50	.....
Apr. 1	6.25	6.50	8.25	9.00	.....	8.50	7.00-7.25
SAUERKRAUT							
Midwest fcy., 24/2½							
Oct. 1	10.25-10.40	9.75-10.40	9.00-10.00	11.75-13.00	10.25-12.00	9.50-10.50	10.00-11.50
Jan. 1	10.25	9.75-10.25	10.00-11.00	11.50-12.75	10.25-12.25	9.50-11.00	10.00-12.75
Apr. 1	10.25-10.40	10.00-10.25	11.50-11.75	12.00-12.75	10.50-12.25	9.50-11.00	11.50-12.75
July 1	10.25-10.40	9.95-10.00	11.50-13.00	11.75-12.75	9.50-12.25	9.50-11.00	10.80-12.75
6/10							
Oct. 1	9.00	8.25-9.00	7.50-8.25	9.75-10.50	8.50-9.50	8.25-8.50	9.00-9.75
Jan. 1	9.00	8.25-8.50	8.50-9.00	9.75-10.25	8.50-9.50	8.50-9.00	9.00-9.75
Apr. 1	9.00	8.25-8.50	9.50-10.50	9.75-10.00	9.50-10.50	9.00-9.50	9.50-9.75
July 1	9.00	7.95-8.25	9.75-11.00	9.25-10.00	7.75-9.50	9.00-9.50	9.45-10.75
N.Y. fcy., 24/2½							
Oct. 1	9.50	9.50	9.50	13.00-13.50	10.50	10.50	10.00-12.75
Jan. 1	9.50	9.50	13.00	13.00	10.50	9.50-12.25	10.00-12.75
Apr. 1	9.50	9.50	14.50	13.00	10.50	9.50-12.25	10.00-12.75
July 1	9.50	9.50	14.50	10.50	10.50	9.50-12.25	10.00-12.75
SPINACH							
Calif., fcy., 24/303							
March 1	8.10	7.68-8.40	7.68-8.40	7.68	8.40	8.40-9.00	8.40
June 1	8.40	7.68-8.40	7.75-8.40	7.75	8.75	8.40-9.00	8.40
Sept 1	8.40	7.68-8.40	7.75-8.40	8.40	9.00	9.00	8.40
Jan. 1	7.68	7.68-8.40	7.68-8.40	8.40	9.00	9.00	8.40
24/2½							
March 1	11.50	11.18-11.90	11.18-12.50	12.50-13.50	13.50	12.50-15.00	12.50
June 1	11.90	10.94-11.90	12.50	11.85	14.00	12.50-15.00	.....
Sept. 1	11.90	11.18-11.90	12.50	13.50	15.00	15.00	.....
Jan. 1	11.90	11.18-11.90	12.50-13.50	13.50	15.00	15.00	.....
6/10							
March 1	9.00	9.35	9.35-10.00	9.85	12.00	12.00	.....
June 1	9.85	8.50	9.85-10.50	9.85	12.00	12.00	.....
Sept. 1	9.50	9.35	9.85-10.50	9.85-11.00	12.00	12.00	.....
Jan. 1	9.35	9.35	9.85-10.50	11.00-11.50	12.00	12.00	.....
Ozarks, fcy., 24/303							
March 1	7.10-7.45	7.45	7.80-8.10	8.10	9.60-9.95	9.60	9.60-9.95
June 1	7.45	7.80-8.10	7.80-8.10	8.60	9.60-9.95	9.60	9.60-9.95
Sept. 1	7.45	7.80-8.10	8.00-8.25	8.60	9.60-9.95	9.60	9.60-9.95
Jan. 1	7.45	7.80-8.10	8.30-8.60	8.95	9.60-9.95	9.60	9.60-9.95

CANNED FOOD PRICES—Continued

	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
SWEET POTATOES							
East syr. wh., 24/3 sq.							
Oct. 1	15.50	15.00	14.50	15.50	15.50	15.00	15.00
Jan. 1	15.50	15.00	14.50	15.50	15.50	15.00	15.00
Apr. 1	15.50	14.50	14.50	n.a.	15.50	15.00	15.00
July 1	15.50	14.50	14.50	n.a.	15.00	15.00	15.00
24/2½							
Oct. 1	17.50	16.50	16.00	17.00	17.00	17.00	17.00
Jan. 1	17.50	16.50	16.00	17.00	17.00	17.00	17.00
Apr. 1	17.50	16.00	16.00	17.00	17.00	17.00	17.00
July 1	17.50	16.00	16.00	17.00	17.00	17.00	17.00
TOMATOES							
Midwest ex. std. 24/303							
Sept. 1	9.50	8.95	8.75	8.75	8.50	8.50	8.50
Jan. 1	9.60	8.75	8.75	8.75	8.50	8.25	8.50
Apr. 1	9.75	8.75	8.75	8.75	8.50	8.50	8.50
July	9.75	8.75	8.75	8.75	8.50	8.50	8.75
24/2½							
Sept. 1	14.75	14.50	14.25	14.50	14.50	14.25	14.00
Jan. 1	15.00	14.25	14.50	14.50	14.25	14.00	14.00
Apr. 1	15.50	14.25	14.50	14.50	14.25	14.00	14.00
July 1	.....	14.25	14.50	14.50	14.25	14.00	14.00
6/10							
Sept. 1	12.50	12.75	13.00	12.75	11.75	11.50	11.00
Jan. 1	13.00	13.00	12.75	12.50	11.50	11.00	11.00
Apr. 1	13.50	13.00	12.75	12.50	11.50	11.00	11.00
July 1	13.50	13.00	12.75	12.50	11.50	11.00	11.00
Calif. fcy. 24/303							
Sept 1	10.70	10.70	[1]8.25-8.50	[1]8.05-8.50	[1]8.25-8.75	[1]7.50	[1]8.50
Jan. 1	10.70	10.70	[1]8.75-9.00	[1]7.80-8.25	[1]8.00	[1]7.75	[1]8.50
Apr. 1	10.70	10.00	[1]8.50	[1]8.25-8.50	[1]8.00	[1]8.50	[1]8.50
July 1	10.70	10.00	[1]8.50-9.00	[1]8.50-8.75	[1]7.75-8.00	[1]8.50	[1]8.50
Calif. Choice 6/10							
Sept. 1	12.40-12.80	13.80-14.69	13.25	12.75-13.75	9.75-11.00	8.50	11.00
Jan. 1	13.30	13.80	13.25	12.00	10.00	9.00-9.50	11.00
Apr. 1	13.80	13.25	13.75	12.00	9.50-10.00	10.50	11.00
July 1	13.80	13.25	13.00-13.75	11.00	9.00	11.00	11.50
Calif. Std. 24/303							
Sept. 1	9.20-9.60	8.88-9.60	7.75	7.25-8.25	7.50-8.00	7.00	8.00
Jan. 1	9.60	7.93-8.65	8.00	7.05-7.50	7.50	7.25	8.00
Apr. 1	9.60	7.50	7.75	7.50-7.75	7.50	8.00	8.00
July 1	9.60	7.50	7.24-7.85	8.00	7.25-7.50	8.00	8.00
6/10							
Sept. 1	11.40-11.80	12.05-12.80	12.25	11.00	8.50-10.00	7.50	10.00
Jan. 1	12.30	12.80	12.25	11.00	9.00	8.00-8.50	10.00
Apr. 1	12.80	12.25	12.75	11.00	8.50-9.00	9.50	10.00
July 1	12.80	12.25	12.00-12.75	10.00	8.00	10.00	10.50
TOMATO CATSUP							
Calif. fcy. 24/14 oz. gl.							
Sept. 1	10.35	11.50	11.50	11.50	.....	n.a.	[2]10.30
Jan. 1	10.95	11.50	11.50	11.50	.....	n.a.	[2]10.30
Apr. 1	10.95	11.50	11.50	11.50	.....	[2]10.30	[2]10.30
July 1	10.95	11.50	11.50	11.50	n.a.	[2]10.30	[2]10.30
6/10							
Sept. 1	14.80	16.30-17.30	15.00	12.00-13.50	12.95-13.25	12.00	13.00
Jan. 1	16.30	17.05	15.00	11.50-12.00	12.50	13.00	13.00
Apr. 1	17.30	15.00	13.50	13.25-13.50	12.50	13.00	13.00
July 1	17.30	15.00	12.50-13.50	13.25-13.50	12.50	13.00	13.50
Midwest, fcy. 24/14 oz.							
Sept. 1	10.00	10.00	9.75	9.75	9.75	9.75	9.75
Jan. 1	10.00	9.75	9.75	9.75	9.75	9.75	9.75
Apr. 1	10.00	9.75	9.75	9.75	9.75	9.75	9.75
July 1	10.00	9.75	9.75	9.75	9.75	9.75	9.75
6/10							
Sept. 1	15.25	16.25	15.00	14.25	13.25	12.75	12.75
Jan. 1	16.50	15.25	14.75	14.00	12.50-13.25	12.75	12.75
Apr. 1	16.50	15.25	14.75	14.00	13.25	12.75	12.75
July 1	16.50	15.25	14.75	14.00	13.25	12.75	12.75

[1] Ex. Std. [2] East.

CANNED FOOD PRICES—Continued

	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
TOMATO PASTE							
Calif. Fcy. 96/6z							
Sept. 1	24.30	24.54-25.50	25.50-26.50	23.50 24.60	23.50-25.00	22.00-23.00	23.00
Jan. 1	24.90-25.50	23.54-24.50	26.50	23.50-25.00	23.00	22.00-23.00	23.00
Apr. 1	25.50	24.50	25.06-26.50	23.08-25.00	23.00	23.00	23.00
July 1	25.50	24.50	24.50-26.50	23.00-25.00	22.00-23.00	23.00	24.00
6/10-26%							
Sept. 1	19.95	22.00-24.00	24.10	19.00-21.00	17.50-18.00	17.00-18.00	18.00
Jan. 1	23.10-23.30	24.05-24.10	24.10	18.00-19.00	17.00-18.00	17.00-18.00	18.00
Apr. 1	24.05-24.10	24.10	23.10	19.00	17.00-18.00	17.50-18.00	18.00
July 1	24.05-24.10	24.10	21.00-23.10	18.00-19.00	17.00-18.00	18.00	19.00
TOMATO PUREE							
Calif. Fcy. 1.06 24/303							
Sept. 1	9.60	10.40	10.05	10.00	.....	[4]13.85	n.a.
Jan. 1	9.95	9.80	10.30	10.00	.....	[4]13.85	n.a.
Apr. 1	9.10	9.80	10.30	10.50	.....	[4]13.85	n.a.
July 1	10.40	9.80	10.30	10.50	[4]13.85	n.a.	n.a.
6/10							
Sept. 1	12.65	13.50-14.90	13.75	11.50-12.50	11.00-11.75	10.25-11.25	11.25
Jan. 1	14.15-14.40	14.65-14.90	13.75	11.25	11.25	10.25-11.25	11.25
Apr. 1	14.90	13.75	13.25-13.75	11.75	11.25	11.00-11.25	11.25
July 1	14.90	13.75	13.00-13.75	11.25-11.75	11.25	11.25	11.25
TOMATO JUICE							
East fcy. 12/46 oz.							
Sept. 1	8.50	8.25	[3]8.00	[3]8.75	[3]7.50	[3]8.00	[3]8.25-9.00
Jan. 1	8.50	8.00	[3]7.50	[3]7.50	[3]7.25	[3]8.00	[3]9.00
Apr. 1	8.75	9.50	[3]8.25	[3]8.25	[3]7.50	[3]8.25	[3]9.00
July 1	8.75	.....	[3]8.25	[3]8.25	[3]8.00	[3]8.25	n.a.
Calif., fcy. 12/46 oz.							
Sept. 1	8.35	7.88-8.00	8.00-8.25	7.77-7.80	7.50	7.25-7.75	8.00
Jan. 1	8.60	7.52-8.00	8.25	7.75	7.75	7.75	8.00
Apr. 1	8.60	7.75	7.77-8.25	7.75	7.75	8.00-8.25	8.00
July 1	8.60	7.75	8.25-8.40	7.75	7.25-7.75	7.75-8.00	n.a.

FRUITS

	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
APRICOTS							
Calif. choice hy. syr. halves 24/2½							
July 1	18.95	20.55-21.05	21.55	22.75-23.95	21.95	21.95	24.15
Oct. 1	20.00	21.05	23.00	22.75-23.95	20.75-21.95	24.15	24.15
Jan. 1	20.55	21.05	23.25	23.95	21.95	24.15	24.15
Apr. 1	20.55	21.05	23.25-23.95	23.95	21.95	24.15	24.75
6/10							
July 1	18.25	20.65	21.25	22.25-23.00	21.00	20.00	23.00
Oct. 1	19.00	20.50	22.00	22.25-23.00	20.00-21.00	23.00	23.00
Jan 1	20.15	20.50-20.65	22.50	23.00	20.00	23.00	23.00
Apr. 1	20.00-20.15	20.50	22.50-23.00	23.00	20.00	23.00-24.00	23.00
FRUIT COCKTAIL							
Calif. fcy. hy. syr. 24/2½							
Sept. 1	18.10	18.80	[2]18.85	[2]19.00-20.25	[2]19.90-21.10	[2]19.75-21.10	[2]21.10
Jan. 1	18.80	.....	[2]19.25-19.50	[2]21.10	[2]21.10	[2]20.25-21.10	[2]21.10
Apr. 1	18.80	.....	[2]19.50-20.25	[2]21.10	[2]19.50-21.10	[2]20.40-21.10	[2]21.10
July 1	18.80	18.55	[2]19.05-20.25	[2]21.10	[2]19.75-21.10	[2]21.10	[2]21.10
6/10							
Sept. 1	.....	17.90	[2]17.00	[2]17.75-18.50	[2]18.75-19.75	[2]17.75	[2]18.25
Jan. 1	17.90	.....	[2]17.50-18.00	[2]19.25	[2]18.50-18.75	[2]17.75	[2]18.25-18.75
Apr. 1	17.90	.....	[2]18.00-18.50	[2]19.75	[2]17.75-18.75	[2]17.75	[2]19.25
July 1	17.90	16.25	[2]17.75-18.50	[2]18.75-19.75	[2]17.75	[2]18.25	[2]19.25

[1] East. [2] Choice. [3] Mid West. [4] No. 2½.

CANNED FOOD PRICES—Continued

PEACHES	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
Calif., ch. cling hy. syr. 24/2½							
Sept. 1	14.50-14.90	14.40-15.60	16.20	16.40-17.60	17.25-17.95	18.45	18.45
Jan. 1	15.60	14.60-15.60	16.85	18.45	17.95-19.25	18.45	18.45
Apr. 1	14.50-15.60	15.10	16.85-17.60	18.45	17.50-18.45	18.45	18.45
July 1	14.50-15.60	15.60	17.60	17.95-18.45	17.50-18.45	18.75	18.45
6/10							
Sept. 1	14.25-14.50	12.50-14.50	15.50	16.25-17.00	17.00-17.25	13.75-14.75	16.25
Jan 1	14.25-14.50	13.00-14.50	16.50	17.75	15.20-15.75	14.75	16.75
Apr. 1	14.15-14.50	13.50	16.50-17.00	18.25	14.75-15.00	14.75	16.75
July 1	12.50-14.50	14.25	17.00	18.00-18.25	14.75-15.00	16.25	17.00
Calif. Frees. fcy. hy. syr. 24/2½							
Sept. 1	16.00-16.25	14.80-16.25	16.45	16.25-17.45	18.00-19.20	19.20	19.20
Jan. 1	15.50	14.80-16.25	16.70	19.20	19.20	19.20-19.50	19.20
Apr. 1	15.50-16.25	15.35	16.70	19.20	19.20	19.20-19.50	19.20
July 1	15.04-16.25	15.85	17.45	19.20	19.20	19.50	19.20
6/10							
Sept. 1	15.50	14.30-15.55	[1]15.30-15.80	[1]16.05-16.80	[1]17.05-18.05	[1]16.05-17.05	[1]17.05
Jan. 1	14.80-15.55	14.40-15.55	[1]16.30	[1]17.55	[1]17.80-18.05	[1]17.05	[1]17.05
Apr. 1	14.80-15.55	14.80	[1]16.30-16.80	[1]18.05	[1]17.80-18.05	[1]17.05	[1]17.05
July 1	14.80-15.55	.....	[1]16.80	[1]17.80-18.05	[1]17.05	[1]17.05	[1]17.05
PEARS							
Calif., Bart ch. hy. syr. 24/2½							
Sept. 1	15.50-17.35	15.00-16.50	15.75-16.85	18.60-19.35	20.00-20.60	18.50-19.75	18.75
Jan. 1	15.00-17.35	15.00-15.25	18.35-18.60	20.20	18.75-19.25	18.50-19.75	18.75
Apr. 1	15.00-15.25	15.25-15.75	18.60-19.35	20.20	18.75-19.75	19.25-20.25	18.75
July 1	15.25-16.50	15.75-16.25	19.35	20.00-20.60	18.75	20.25	18.75-19.00
Choice 6/10							
Sept. 1	14.50-16.30	13.00-13.75	13.60-15.25	15.50-16.25	19.00	14.50-15.25	16.65
Jan. 1	13.50-16.30	13.00-14.00	15.25-15.70	17.75	19.00	15.75	14.75
Apr. 1	12.50-14.00	13.50-14.50	15.75-16.25	18.25	17.00-17.25	15.75	14.75
July 1	14.00-14.50	13.50-14.50	16.25	19.00	15.75	15.75	16.50

FISH

SALMON							
Alaska Red, 48/15½ oz.							
Sept. 1	102.00	120.00	105.00	100.00-105.00	106.00-115.00	160.00	130.00
Jan. 1	104.00	126.00	98.00	96.00	110.00-120.00	.....	130.00
Apr.	104.00	128.00	100.00	88.00	130.00-150.00	130.00	130.00
July 1	104.00	100.00	100.00-104.00	88.00-100.00	130.00	130.00	n.a.
Pink, 48/15½ oz.							
Sept. 1	74.00	70.00	68.00	68.00-70.00	60.00-64.00	58.00	77.00
Jan. 1	78.00	70.00	67.00	60.00	56.00-60.00	78.00	77.00
Apr. 1	68.00	68.00	68.00	58.00	55.00-58.00	77.00	77.00
July 1	62.00	66.00	68.00-70.00	58.00	58.00	77.00	n.a.
Chum, 48/15½ oz.							
Sept. 1	66.00	60.00	64.00	60.00-62.50	54.00-60.00	54.00	66.00
Jan. 1	68.00	60.00	62.00	55.00	54.00-56.00	66.00	66.00
Apr. 1	56.00	60.00	62.00	52.00	.....	66.00	66.00
July 1	50.00	60.00	62.00-68.00	52.00	54.00	66.00	n.a.
TUNA							
Fcy. wh. meat 48/½'s							
Sept. 1	55.00	50.00	45.25	44.00	42.50	42.50	42.50
Jan. 1	56.00	51.00	44.00	44.00	42.50	42.50	42.50
Apr. 1	51.00	46.00	44.00	42.50-44.00	42.50	42.50	42.50
July 1	51.00	45.25	44.00	42.50	42.50	42.50	n.a.
Fcy. Lgt. meat 48/½'s							
Sept. 1	45.00	40.00	38.00	36.00	34.00	34.00	34.00
Jan. 1	44.00	38.00	36.00	35.00	34.00	34.00	34.00
Apr. 1	42.00	36.00	36.00	34.00-35.00	34.00	34.00	34.00
July 1	42.00	35.00	36.00	34.00	34.00	34.00	n.a.

[1] Choice.

GOVERNMENT PURCHASES—SPECIFIED CANNED FOODS
MILITARY

Source: Fr. & Veg. Br., Contr. & Prod. Div., Dir. of Subsistence. Defense Personnel Support Center

PACK YEAR	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
CANNED VEGETABLES—Thousands of Cases, Equiv. 24/303										
Asparagus	65.5	19.1	26.8	.....	37.8	23.3	43.2	21.4	18.3	11.1
Beans, Gr. & Wax	370.6	367.0	450.7	340.4	357.7	421.7	263.9	399.3	233.1	305.5
Beans, Lima	85.7	74.8	91.5	91.9	72.7	81.7	55.1	73.1	32.5	37.0
Bean Sprouts	27.9	51.9	80.6	75.4	51.3	24.2	65.4	62.7	20.2	51.7
Beets	152.4	191.0	122.4	86.5	108.9	152.1	138.0	78.6	72.9	80.0
Carrots	118.5	125.0	107.5	95.2	118.2	132.9	114.8	109.6	272.2	136.2
Catsup	424.5	442.4	499.0	471.9	342.3	525.9	384.9	428.7	402.7	467.8
Chili Sauce	36.3	28.2	26.8	15.6	44.1	26.3	27.5	24.6	8.0	6.4
Corn	421.6	465.1	402.2	488.2	389.9	278.1	423.7	263.2	357.5	420.4
Mushrooms	83.7	83.8	90.5	113.8	98.7	57.6	63.5	81.1	101.6	98.4
Peas	112.0	211.3	201.9	191.2	159.4	226.3	240.8	162.3	83.4	141.0
Pimientos	31.7	38.8	27.5	17.6	31.3	17.5	18.2	30.7	.....	.....
Potatoes, Sweet	136.9	107.1	155.4	173.5	124.8	120.4	162.1	113.4	75.2	172.2
Pumpkin & Squash	16.0	17.0	7.4	10.0	10.4	12.7	15.9	11.7	10.5	9.9
Sauerkraut	30.9	52.0	64.0	82.5	40.9	59.3	60.8	33.6	15.6	42.4
Spinach	51.7	101.6	57.2	36.9	32.2	62.7	25.1	58.4	42.6	26.0
Tomatoes	518.2	518.4	532.6	583.8	425.3	676.5	517.1	576.2	545.1	550.3
Tomato Paste	115.1	89.2	129.6	129.9	118.8	149.4	197.2	154.7	56.5	177.5
Total these items	2,799.4	2,983.9	3,073.4	3,004.3	2,564.7	3,048.6	2,818.2	2,684.0	2,347.9	2,733.8
CANNED FRUITS—Thousands of Cases, Equiv. 24/2½										
Apples	65.3	37.6	29.9	29.3	30.6	22.1	0	33.7	19.0	12.6
Applesauce	80.3	86.3	89.7	54.9	84.9	37.1	56.9	47.6	64.2	56.4
Apricots	43.8	57.8	62.6	20.8	38.6	5.7	4.5	34.5	13.2	20.3
Blackberries	.....	.....	7.2	.....	2.3	0	0	.....	.....	.....
Blueberries	.....	.....	.....	.....	0.0	0	0	.....	3.2	4.4
Cherries, RSP	.....	30.6	7.9	.....	0.0	0	0	9.1	1.7	.8
Cherries, Sweet	15.0	11.6	12.7	6.3	5.9	6.8	4.8	8.3	.....	.8
Cranberry sauce	63.0	39.2	56.2	33.0	37.8	48.4	33.6	38.2	22.9	19.8
Figs	2.2	1.2	3.1	2.3	1.4	0	0	.....	.....	.....
Fruit cocktail	181.0	124.0	174.1	135.0	110.8	152.1	145.9	169.2	168.6	68.9
Grapefruit	54.4	19.7	30.9	25.9	32.3	13.9	12.4	19.3	4.0	.....
Olives	68.3	37.4	66.8	39.7	0.0	0	22.8	84.9	68.2	103.7
Peaches	96.2	251.5	271.1	148.6	142.5	138.2	116.2	162.1	135.0	95.5
Pears	121.1	119.6	147.0	105.3	58.4	120.2	74.1	71.9	94.8	50.7
Pineapple	115.1	134.1	208.9	252.7	91.1	137.1	132.9	156.4	138.2	64.8
Plums (all)	18.4	13.9	22.7	7.4	6.8	11.7	7.6	10.5	4.8	1.3
Prunes	1.0	1.0	1.0	1.2	0.0	0	0	.....	.....	.9
Total these items	925.0	965.6	1,191.8	862.4	643.4	693.3	611.7	845.7	737.8	500.9
CANNED JUICES—Thousands of Cases, Equiv. 24/2										
Apple Juice	138.7	231.3	287.7	272.9	207.9	261.8	152.5	218.8	157.2	178.0
Grape Juice	88.5	50.0	104.8	86.0	89.9	108.7	33.5	51.0	81.9	46.5
Grapefruit Juice	96.3	135.4	137.8	137.8	195.2	129.3	131.5	80.0	65.3	95.9
Grapefrt & Orange	29.9	32.7	10.0	31.7	24.8	27.7	17.7	21.6	12.6	28.1
Orange Juice	163.8	156.9	210.1	173.8	201.1	161.6	264.9	153.7	241.3	252.3
Pineapple Juice	169.4	258.7	138.6	228.8	215.9	297.1	211.1	176.3	273.6	107.6
Tomato Juice†	167.5	151.5	154.3	159.1	107.4	76.7	75.2	91.0	58.3	66.4
Tomato Juice conc.	92.2	77.7	55.7	46.0	59.2	6.6	8.1	61.4	30.4	69.0
Total these items	946.3	1,094.3	1,099.0	1,136.1	1,101.4	1,074.5	894.5	853.8	920.6	843.8

† Includes Vegetable Juice Cocktail.

CHILD NUTRITION PROGRAM*

(Source: Commodity Procurement Br., Fruit & Veg. Div., Agricultural Marketing Service, U.S.D.A.)

PACK YEAR*	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
CANNED VEGETABLES—Thousands of Cases, Equiv. 24/303										
Beans Gr.	.....	1,208.2	866.1	1,040.7	1,015.7	834.0	980.1	828.8	869.7	770.1
Beans, Vegt.	1,489.8	1,172.6	994.4	834.0	773.4	762.7	1,040.7	714.5	832.2	804.7
Beans, Other[1]	.....	670.0	762.7	413.4	420.6	402.7	513.3	585.9	477.6	692.5
Corn	948.0	2,031.5	905.3	.....	.....	630.9	1,005.0	1,281.6	749.2	590.3
Peas	766.3	816.2	883.9	502.5	680.7	481.1	.....	521.6	515.0	439.0
Potatoes, sweet	†780.8	†870.3	†524.2	†449.1	†862.5	345.7	463.3	743.1	401.1	370.2
Tomatoes	1,486.2	2,858.3	417.0	.....	.....	666.5	1,072.8	818.1	1,146.3	777.6
Tomato Catsup	509.7	1,232.6	1,108.4	.....	.....	.....	.....	.....	.....	.....
Tomato Paste	1,119.1	2,052.9	384.9	.....	.....	.....	1,414.9	721.7	730.4	732.2
Total	7,099.9	12,912.6	6,846.9	3,239.7	3,752.9	4,123.6	6,490.1	6,219.8	5,721.5	5,176.6
CANNED FRUITS—Thousands of Cases, Equiv 24/2½										
Applesauce	1,398.6	1,224.5	1,230.6	916.9	876.4	763.0	1,079.0	1,200.0	733.4	1,205.0
Apricots	.....	419.0	312.8	.....	.....	.....	443.3	.....	.....	.....
Cranberry Sauce	214.5	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fruit Cocktail	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mixed Fruit	.....	.....	.....	453.4	463.5	.....	.....	.....	.....	252.7
Peaches	657.8	787.3	1,129.4	1,856.0	1,226.5	759.0	665.9	542.3	642.9	648.4
Pears	.....	900.7	1,224.5	916.9	846.0	1,261.0	718.5	230.7	929.1	925.0
Pineapple	647.6	653.8	459.4	481.7	477.7	.....	.....	425.6	429.8	744.8
Plums	204.4	46.6	.....	137.6	.....	93.1	.....	.....	85.1	84.2
Total	3,122.9	4,031.9	4,356.7	4,762.5	3,890.1	2,876.1	2,906.7	2,398.6	2,820.3	3,860.1
CANNED JUICES—Thousands of Cases, Equiv. 24/2										
Apple	912.2	871.9	443.5	.....	.....	.....	.....	.....	.....	1,260.0
Tomato	279.7	481.3	.....	.....	.....	.....	.....	.....	.....	.....
Misc.	.....	.....	.....	[3]544.3	[3]498.7	.....	[4]264.6	.....	.....	.....
Total	1,191.9	1,353.2	443.5	544.3	498.7	.....	264.6	.....	.....	1,260.0

*Beginning 1975 includes small quantities utilized in elderly feeding programs and nonprofit institutions. Pack year beg. July 1. † Includes dehydrated sweet potatoes. [1] Pinto, small red, blackeyes, red kidney, baby lima and great northern. [2] Orange. [3] Grapefruit. [4] Grape.

DOMESTIC FEEDING PROGRAMS*

(Source: Commodity Procurement Br., Fruit & Veg. Div., Agricultural Marketing Service, U.S.D.A.)

PACK YEAR*	1978	1979	1980	1981	[3]1982	1983	1984	1985	1986	1987
CANNED VEGETABLES—Thousands of Cases, Equiv. 24/303										
Beans, Gr.	81.2	81.2	100.8	81.2	81.2	79.8	119.0	53.2	119.0	99.4
Beans, Vegt.	72.8	47.6	56.0	86.8	514.5	114.8	114.8	103.6	119.7	85.7
Corn	170.8	56.0	67.2	61.2	464.3	105.0	141.4	103.6	170.8	113.4
Peas	28.0	78.4	50.4	39.2	47.6	54.6	60.2	67.2	107.8	60.2
Potatoes, Sweet	.....	25.2	22.4	16.8	329.4	47.6	26.6	42.0	42.0	60.2
Tomatoes	95.2	.....	14.0	36.4	75.6	56.0	14.0	64.4	88.2	61.6
Other[1]	.....	67.2	130.9	61.0	151.2	110.6	82.6	130.2	98.0	169.4
Total	448.0	355.6	441.7	382.6	1,663.8	568.4	558.6	564.2	745.5	649.9
CANNED FRUITS—Thousands of Cases Equiv. 24/2½										
Peaches	26.0	62.9	66.6	25.9	256.2	50.3	39.1	64.2	60.8	139.4
Pears	33.3	44.4	29.6	37.0	44.5	[3]260.4	46.3	67.4	67.2	83.8
Pineapple	38.9	14.6	13.0	12.9	29.2	37.3	26.0	22.0	45.3	34.7
Other[2]	.....	81.6	119.1	56.4	349.7	142.1	177.9	134.8	191.4	151.6
Total	98.2	203.5	228.3	132.2	679.6	490.1	289.3	288.4	364.7	409.5
CANNED JUICES—Thousands of Cases Equiv. 24/2										
Apple Juice	123.5	90.7	115.9	166.3	209.2	241.9	320.0	426.2	186.6	264.6
Grape Juice	.....	.....	.....	.....	.....	.....	370.4	297.6	211.8	257.0
Grapefruit Juice	.....	60.5	63.0	85.7	499.0	68.0	17.6	85.7	74.4	71.8
Orange Juice	572.0	184.0	388.1	507.2	622.4	718.2	302.4	158.9	763.6	704.4
Pineapple Juice	80.7	168.8	136.1	153.8	194.0	216.7	281.0	232.4	199.1	188.6
Tomato Juice†	47.9	85.6	55.4	52.9	85.7	80.6	73.1	109.7	95.8	91.9
Total	824.1	589.6	758.5	965.9	1,610.3	1,325.4	1,364.5	1,310.5	1,531.3	1,578.3

*Pack year beginning July 1. † Includes Vegetable Juice Cocktail. [1] Includes carrots, white potatoes, pumpkin, spinach. [2] Includes applesauce, apricots, fruit cocktail, purple plums. [3] Includes quantities purchased for Emergency feeding program (Publaw 98-8 Jobs Bill) as follows: Beans vegt. 427.7, Potatoes Sw. 301.4, Corn 324.3, Applesauce 230.7, Peaches 190.3, Grapefruit Juice 385.6 and in 1983-84 Pears 238.9.

GOVERNMENT PURCHASES—SPECIFIED FROZEN FOODS

MILITARY

Source: Fr. & Veg. Br., Contr. & Prod. Div., Dir. of Subsistence, Defense Personnel Support Center

Thousands of Pounds

PACK YEAR	1981	1982	1983	1984	*1985	*1986	*1987
VEGETABLES							
Asparagus	1,329.0	1,027.0	423.0	802.0	1,196.0	672.0	1,116
Beans, Green & Wax	3,863.0	3,452.0	2,747.0	3,189.6	2,235.9	677.5	2,730
Beans, Lima	1,494.0	1,470.0	781.8	919.6	908.0	1,171.3	1,028
Broccoli	3,475.0	3,394.9	3,325.0	3,427.0	3,039.0	3,894.7	3,915
Brussel Sprouts	2,017.0	1,979.0	1,706.0	1,776.4	1,517.3	1,547.1	1,672
Carrots	1,107.0	1,122.0	1,112.0	838.0	1,244.2	1,282.4	1,615
Cauliflower	2,314.0	2,174.0	2,024.0	2,145.0	2,288.9	2,821.0	2,624
Corn	5,547.0	5,463.0	6,349.6	2,461.7	6,054.2	6,932.2	6,838
Greens	1,732.0	1,731.0	1,283.9	1,718.4	1,538.8	1,308.7	1,188
Okra	256.0	384.0	420.0	318.9	373.0	441.4	335
Onion Rings	1,360.0	1,153.0	1,102.0	1,575.2	1,000.1	2,017.5	2,251
Peas	2,828.0	2,650.0	2,133.0	2,253.0	2,312.1	2,756.1	2,350
Peas & Carrots	1,170.0	1,439.0	1,060.0	3,309.3	1,066.5	1,333.6	1,314
Peppers, Sweet	40.0	40.0	58.0	76.0	20.0	40.2	20
Potatoes, Diced	486.0	356.0	328.0	366.0	328.0	400.0	286
Potatoes, French fried	33,904.6	31,288.4	30,874.5	30,283.6	27,884.9	25,234.7	32,921
Potatoes, Shoestring	3,035.0	2,859.0	2,529.7	2,811.6	3,141.4	4,586.0	3,734
Potatoes, Shredded	6,470.4	6,819.0	4,670.6	6,380.1	6,621.6	8,385.5	10,061
Spinach	1,896.0	2,028.0	2,479.4	1,966.4	1,596.1	2,084.3	1,515
Squash	854.0	1,024.0	812.0	1,045.1	1,760.0	1,412.0	879
Succotash	1,142.5	1,478.7	1,381.0	714.3	1,671.6	1,245.5	1,344
Vegetables, Mixed	3,156.5	2,858.0	3,666.0	2,044.3	2,188.6	3,106.5	2,735
Total Above	79,477.0	76,190.0	71,266.5	70,421.5	69,986.2	73,350.0	82,471
FRUITS							
Blueberries	38.0	36.0	75.0	111.0	147.0	83.0	76.0
Cherries	.....	29.0	0.0	.....	.....	.....	.....
Peaches	171.0	62.0	55.0	226.0	.....	144.0	144.0
Raspberries	.....	0.0	36.0	.....	.....	.8	.....
Strawberries	1,573.0	1,261.0	1,300.0	1,742.0	1,680.5	496.0	137.0
Total Above	1,782.0	1,388.0	1,466.0	2,079.0	1,827.5	723.8	357.0
JUICES*, CONCENTRATED. conc. basis							
Grape Juice	2,454.5	2,891.7	3,924.9	3,957.6	141,385	157,007	143,210
Grapefruit Juice	384.2	347.8	592.6	624.4	28,648	104,259	110,650
Lemon Juice	77.0	66.6	40.8	42.8	7,983	88,699	75,200
Lime Juice	.7	0.0	0.0	.....	.....	.....	.....
Orange Juice	7,039.9	7,545.8	10,885.3	12,862.4	398,807	641,516	836,150
Total Above	9,956.3	10,851.9	15,443.6	17,487.2	576,823	991,481	1,165,210

*Juices reported on basis of cases of 12/32 oz. containers (concentrated product) beginning 1985. 1985 Data revised with the 1987 Almanac.

USDA—CHILD NUTRITION

(Includes small quantities used for elderly)

(Source: Commodity Procurement Br., Fruit & Veg. Div., Agricultural Marketing Service, U.S.D.A.)

Thousands of Pounds

PACK YEAR[1]	1979	1980	1981	1982	1983	1984	1985	1986	1987
Beans, Green	3,366	5,082	1,848	1,254	726	1,056	396	1,014	2,418
Corn	7,722	.....	.....	.....	4,554	3,894	1,056	1,794	3,549
Peas	8,910	8,118	.....	2,178	1,056	.....	1,452	2,847	4,953
Potato Rounds	72,996	20,130	9,900	43,230	.....	24,156	54,258	28,386	22,851
Potatoes, French Fried	79,596	.....	12,672	47,257	37,554	19,734	50,124	28,233	46,023
Vegetables, Mixed	22,440	.....	.....	.....	.....	18,612	16,632	14,407	14,167
Total	195,030	33,330	24,420	93,919	43,890	67,452	123,918	76,681	93,961
Blueberries	.....	.....	.....	.....	560	5,563	6,923	.....	.....
Cherries, RTP	.....	.....	19,650	8,888	.....	13,200	21,562	39,036	18,163
Lemon Juice (Conc.)	.....	.....	.....	2,268	.....	.....	.....	.....	.....
Orange Juice (Conc.)	.....	.....	.....	.....	.....	.....	.....	.....	.....

[1] July 1 thru June 30 beginning year shown.

CIVILIAN PER CAPITA CONSUMPTION

FRUIT JUICES—CANNED & CHILLED[1]

Source: USDA, Economic Research Service, Commodity Economics Div.

Per Capita Consumption—Pounds—Single Strength Basis

Year	Canned									Chilled[2]	
	Citrus				Noncitrus						
	Orange	Grapefruit	Blended orange and grapefruit	Lemon and lime	Apple	Fruit nectars	Grape	Pineapple	Prune	Orange[3]	Grapefruit
1970	1.75	2.99	0.33	0.10	2.7	0.68	0.58	3.0	1.09	4.23	0.33
1971	1.65	3.24	.31	.10	3.2	.67	.71	2.7	1.07	4.28	.42
1972	1.51	3.25	.25	.10	2.6	.56	.53	2.8	.66	4.51	.61
1973	1.74	3.42	.24	.10	2.6	.50	.56	3.3	.97	4.61	.54
1974	1.48	3.49	.22	.10	2.5	.52	.67	2.3	.72	4.59	.52
1975	1.52	3.34	.23	.12	2.9	.77	.59	2.1	.81	4.96	.61
1976	1.37	3.33	.32	.08	3.3	.76	.56	1.9	.99	5.31	.72
1977	1.46	3.13	.21	.08	3.3	.67	.45	2.3	.88	4.92	.69
1978	1.74	3.50	.17	.06	4.3	.75	.92	2.6	.93	5.25	.74
1979	2.04	3.35	.08	.05	5.3	.56	.65	2.7	.80	4.83	.57
1980	1.98	2.92	.09	.05	4.8	.67	.65	2.7	.86	5.15	.64
1981	2.28	2.45	.07	.06	6.4	.70	.69	2.8	.93	3.62	.48
1982	1.74	2.07	.04	.03	7.2	.51	.64	n.a.	.78	3.17	.30
1983	1.24	1.58	.08	.07	8.6	.36	.91	n.a.	.61	3.86	.23
1984	1.47	1.20	.07	.07	n.a.	.27	.75	n.a.	.66	3.41	.23
1985	.84	1.30	.06	.07	n.a.	.40	.52	n.a.	.63	3.00	.18
1986[4]	.82	1.13	.07	.07	n.a.	.39	.50	n.a.	.63	3.53	.21

[1] Calendar year basis except for citrus juices, which are on a pack-year basis beginning prior to year indicated.
[2] Chilled fruit juice produced commercially from fresh fruit in Florida; does not include reconstituted or frozen juice or fresh juice produced for local sale. [3] Includes orange juice processed only from Florida oranges.
[4] Preliminary.

FRUIT JUICES—FROZEN CITRUS[1]

Year	Orange	Grapefruit	Lemon	Lemonade Base	Tangerine	Total[2]
1970	20.73	0.74	0.06	0.24	0.18	21.95
1971	24.22	.81	.07	.25	.18	25.55
1972	27.71	1.09	.09	.28	.18	29.35
1973	26.86	1.09	.06	.34	.18	28.53
1974	29.43	1.16	.06	.31	.14	31.10
1975	32.78	.99	.26	.72	.21	34.96
1976	34.33	.28	.02	.38	.11	35.12
1977	34.12	1.83	.14	.28	.25	36.62
1978	27.53	1.80	.25	.50	.25	30.33
1979	30.32	1.80	.21	.38	.21	32.92
1980	31.76	1.52	.09	.18	.21	33.76
1981	30.14	2.33	.17	.27	.32	33.23
1982	33.24	2.54	.25	.53	.32	36.88
1983	38.74	2.33	.17	.28	.07	41.59
1984	33.42	1.59	.17	.29	.11	35.58
1985	39.76	3.53	.21	.36	.11	43.97
1986[2]	40.15	2.57	.16	.24	.11	43.23

[1] Frozen concentrated fruit juices converted to single-strength on basis of 3.525 pounds to 1; Lemonade base, 0.74 to 1. [2] Preliminary.

APPENDIX—PER CAPITA CONSUMPTION—Continued

FRUITS—CANNED & CHILLED

Per Capita Consumption—Pounds Processed Weight

Year	Apples and applesauce	Apricots	Berries	Cherries	Cranberries	Salad and cocktail	Peaches
1970........	3.7	.97	.10	.94	.9	3.23	5.72
1971........	3.6	1.00	.12	1.01	.8	2.73	5.34
1972........	3.5	.73	.13	.72	.8	2.72	5.59
1973........	3.4	.76	.13	.70	1.0	3.08	4.72
1974........	3.1	.64	.09	.61	.9	2.74	4.79
1975........	3.1	.50	.14	.74	.7	2.64	4.83
1976........	2.3[2]	.62	.10	.61	.7	2.70	4.90
1977........	2.5	.59	.11	.58	.7	2.80	4.97
1978........	2.6	.45	.05	.60	.8	2.85	4.22
1979........	2.5	.45	.05	.66	.8	2.74	3.99
1980........	2.4	.51	.05	.78	.8	2.57	3.94
1981........	2.0	.44	.08	.72	.7	2.32	3.58
1982........	2.0	.34	.08	.46	.7	2.30	3.65
1983........	2.4	.33	.09	.46	.7	1.76	3.48
1984........	n.a.	.32	.07	.57	n.a.	2.10	3.19
1985........	n.a.	.33	.09	.60	n.a.	1.91	2.93
1986[1].......	n.a.	.29	n.a.	.52	n.a.	1.99	3.27

	Pears	Pineapples	Plums and prunes	Olives	Citrus sections	Chilled citrus sections	Total[3]
1970........	2.02	3.3	.32	1.17	.9	.4	14.37
1971........	2.00	3.3	.27	.91	.9	.3	13.38
1972........	2.00	3.4	.21	.73	.8	.3	12.82
1973........	2.25	3.4	.20	.76	.8	.3	12.60
1974........	1.78	2.6	.23	.90	.8	.3	11.77
1975........	1.86	2.6	.19	.87	.7	.3	11.76
1976........	2.07	2.7	.25	.98	.6	.3	12.21
1977........	2.17	2.8	.21	.97	.6	.2	12.40
1978........	1.76	3.0	.22	.73	.7	.2	10.87
1979........	1.77	3.0	.19	1.03	.7	.2	10.87
1980........	1.85	3.0	.14	.82	.6	.2	10.66
1981........	1.62	3.0	.16	1.05	.7	.2	9.97
1982........	1.85	n.a.	.16	.73	.6	.2	9.57
1983........	1.76	n.a.	.13	1.24	.6	.2	9.24
1984........	1.59	n.a.	.12	.95	n.a.	n.a.	8.93
1985........	1.31	n.a.	.09	1.18	n.a.	n.a.	8.44
1986[1].......	1.51	n.a.	.12	1.12	n.a.	n.a.	8.82

[1] Preliminary. [2] Not comparable to previous years. [3] Excludes apples/sauce, cranberries, citrus sections, and chilled citrus sections. n.a. - Not available.

APPENDIX—PER CAPITA CONSUMPTION—Continued

FRUITS—FROZEN

Per Capita Consumption—Pounds Processed Weight

Year	Black-berries	Rasp-berries	Straw-berries	Blue-berries	Other berries	Apples	Apri-cots	Cherries	Peaches	Misc.[2]	Total
1970....	.10	.16	1.19	.21	.06	.47	.06	.61	.28	.20	3.35
1971....	.16	.16	1.41	.18	.07	.53	.07	.68	.26	.16	3.69
1972....	.11	.12	1.35	.18	.06	.66	.04	.64	.31	.16	3.64
1973....	.08	.10	1.19	.16	.05	.61	.08	.81	.23	.20	3.51
1974....	.06	.09	1.13	.14	.04	.33	.06	.49	.28	.14	2.76
1975....	.08	.09	1.41	.19	.04	.46	.07	.45	.29	.15	3.24
1976....	.12	.13	1.28	.13	.05	.39	.06	.67	.13	.11	3.07
1977....	.12	.13	1.16	.13	.04	.44	.07	.62	.28	.20	3.19
1978....	.10	.10	1.37	.11	.05	.39	.07	.64	.27	.18	3.26
1979....	.06	.08	1.14	.13	.03	.33	.06	.52	.21	.13	2.71
1980....	.02	.08	1.39	.18	.03	.35	.07	.48	.27	.19	3.05
1981....	.04	.08	1.32	.17	.02	.37	.05	.49	.19	.15	2.88
1982....	.09	.07	1.14	.11	.02	.43	.06	.61	.23	.17	2.94
1983....	.08	.07	1.17	.04	.04	.32	.07	.63	.31	.19	2.92
1984....	.04	.05	1.22	.24	.02	.38	.06	.57	.27	.18	3.03
1985....	.06	.10	1.24	.23	.02	.39	.07	.59	.36	.20	3.26
1986[3]...	.04	.09	1.26	.38	.03	.35	.07	.66	.36	.25	3.49

[2] Includes grapes & pulp, plums, prunes & misc. not listed separately. [3] Preliminary.

FISHERY PRODUCTS[1]

Per Capita Consumption—Pounds Edible Weight

Year	Fresh and frozen			Canned						Cured	Total
	Fish	Shell-fish	Total	Salmon	Sardines	Tuna	Shell-fish	Other	Total		
1964....	3.8	2.1	5.9	0.7	0.3	2.0	0.5	0.6	4.1	0.5	10.5
1965....	3.8	2.2	6.0	.9	.3	2.3	.4	.4	4.3	.5	10.8
1966....	3.9	2.2	6.1	.8	.4	2.3	.4	.4	4.3	.5	10.9
1967....	3.6	2.2	5.8	.7	.4	2.4	.5	.3	4.3	.5	10.6
1968....	4.0	2.2	6.2	.7	.4	2.4	.5	.3	4.3	.5	11.0
1969....	4.4	2.2	6.6	.7	.4	2.4	.5	.2	4.2	.4	11.2
1970....	4.5	2.4	6.9	.7	.4	2.5	.5	.4	4.5	.4	11.8
1971....	4.3	2.4	6.7	.7	.4	2.4	.5	.3	4.3	.5	11.5
1972....	4.7	2.4	7.1	.7	.4	2.9	.5	.4	4.9	.5	12.5
1973....	5.2	2.2	7.4	.4	.5	3.1	.5	.5	5.0	.4	12.8
1974....	4.4	2.5	6.9	.3	.4	3.1	.5	.4	4.7	.5	12.1
1975....	4.9	2.6	7.5	.3	.2	2.9	.5	.4	4.3	.4	12.2
1976....	5.6	2.6	8.2	.3	.3	2.8	.4	.4	4.2	.5	12.9
1977....	5.1	2.6	7.7	.5	.3	2.8	.6	.4	4.6	.4	12.7
1978....	5.5	2.6	8.1	.6	.3	3.3	.5	.3	5.0	.3	13.4
1979....	5.4	2.4	7.8	.5	.3	3.2	.5	.3	4.8	.4	13.0
1980....	5.5	2.5	8.0	.5	.3	2.9	.5	.3	4.5	.3	12.8
1981....	5.0	2.8	7.8	.5	.4	3.1	.5	.3	4.8	.3	12.9
1982....	5.1	2.6	7.7	.5	.3	2.7	.4	.4	4.3	.3	12.3
1983....	5.2	2.8	8.0	.5	.2	3.1	.6	.4	4.8	.3	13.1
1984....	5.3	3.0	8.5	.6	.2	3.2	.4	.5	4.9	.3	13.7
1985....	5.2	3.8	9.0	.5	.3	3.3	.5	.5	5.1	.3	14.4
1986....	n.a.	n.a.	9.0	.5	.3	3.6	.4	.6	5.4	.3	14.7
1987....	n.a.	n.a.	10.0	.4	.3	3.5	.5	.4	5.1	.3	15.4

APPENDIX—PER CAPITA UTILIZATION

VEGETABLES, SELECTED—FRESH, CANNED, FROZEN

Per Capita Utilization—Pounds—Farm Weight Basis

Source: U.S.D.A., Economic Research Service

	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	*1987
Asparagus:											
Fresh.........	.3	.3	.3	.3	.3	n.a.	n.a.	.4	.5	.6	.6
Canning......	.4	.4	.3	.4	.4	n.a.	n.a.	n.a.	.3	.3	.3
Freezing......	.2	.2	.2	.1	.1	n.a.	n.a.	.1	.1	.1	.1
Beans, green:											
Canning......	4.1	4.2	4.2	4.1	4.2	3.7	3.7	3.4	3.5	3.8	3.7
Freezing......	1.2	1.4	1.5	1.6	1.5	1.5	1.7	1.7	1.7	1.5	2.0
Broccoli:											
Fresh.........	1.2	1.1	1.4	1.6	1.8	2.2	2.3	2.7	2.9	3.5	3.6
Freezing......	1.2	1.4	1.4	1.4	1.5	1.5	1.5	1.8	1.9	1.7	2.2
Corn[1]:											
Fresh.........	7.6	7.3	7.2	7.2	7.1	7.1	7.3	7.6	7.6	7.2	7.3
Canning......	14.1	13.2	12.5	12.9	12.1	11.4	11.5	10.1	11.7	11.0	10.5
Freezing......	7.4	6.3	6.8	6.4	6.2	5.7	6.6	7.9	7.8	7.5	7.9
Carrots:											
Fresh.........	5.1	5.6	6.4	7.0	7.1	7.3	7.5	7.9	7.6	7.7	8.5
Canning......	1.0	.9	1.0	.9	.9	.8	.8	1.1	.9	.8	.9
Freezing......	2.7	2.5	2.7	2.5	2.5	2.2	2.2	2.9	2.4	2.2	2.4
Cauliflower:											
Fresh.........	1.1	.9	1.3	1.3	1.6	1.6	1.7	2.2	2.3	2.7	2.7
Freezing......	.7	.8	.7	.8	.9	.9	.8	.9	.9	.9	.9
Cucumbers for:											
Pickles..........	5.9	6.0	5.9	5.6	n.a.	n.a.	n.a.	n.a.	5.7	5.3	5.1
Mushrooms:											
Fresh.........	.9	1.0	1.1	1.2	1.4	1.4	1.6	1.8	1.8	1.9	n.a.
Processing....	1.6	1.6	1.7	1.5	1.5	1.5	1.7	1.4	1.7	1.8	n.a.
Dehydrating...	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	n.a.
Peas, green:											
Canning......	3.0	2.9	2.6	2.7	2.7	2.5	2.4	2.0	2.0	2.2	2.0
Freezing......	1.8	1.8	1.9	1.8	1.7	1.7	1.8	2.0	2.1	1.9	1.7
Potatoes:											
Fresh.........	50.1	46.1	46.6	51.0	45.7	46.6	49.9	48.8	46.6	49.6	44.0
Canning......	2.2	2.3	2.1	1.9	1.8	1.9	1.8	1.8	1.9	1.8	1.8
Freezing......	42.3	41.4	41.6	36.1	38.4	40.3	38.3	41.6	44.3	44.3	44.3
Other processing	27.6	28.5	27.6	26.1	27.4	27.3	27.6	28.1	28.8	28.6	28.6
Tomatoes:											
Fresh.........	12.4	13.2	12.8	13.4	13.2	13.4	13.7	15.3	16.1	17.2	16.8
Canning......	62.8	58.8	64.3	63.6	59.3	60.1	60.8	68.4	63.1	63.4	n.a.

---

n.a. - Not available. *Preliminary. [1] "On-Cob" basis.

EXPENDITURES—FOOD FOR OFF-PREMISE USE

Source: U.S.D.A., Economic Research Service—Millions of Dollars

Year	[2]Food-stores	[3]Other stores	Food sales Home delivery and mail order	Farmers, manu-facturers, and wholesalers	Total	Home production and donations	Total for off-premise use
1970	65,480	3,765	2,383	1,813	73,441	4,086	77,527
1971	69,161	4,004	2,373	1,828	77,366	4,080	81,446
1972	75,520	3,865	2,423	1,828	83,636	4,297	87,933
1973	83,200	4,556	2,294	2,083	92,069	5,217	97,286
1974	94,529	5,079	2,233	2,199	104,138	6,114	110,252
1975	103,624	5,739	1,976	2,259	113,875	5,975	119,850
1976	110,793	6,283	1,886	2,342	121,686	6,149	127,835
1977	118,256	7,070	2,264	2,934	130,524	6,035	136,559
1978	130,560	7,710	2,385	3,222	143,877	6,476	150,353
1979	145,963	8,411	2,567	3,568	160,509	6,992	167,501
1980	161,474	9,265	2,762	3,904	177,405	8,275	185,680
1981	172,252	10,142	2,729	4,150	189,273	9,280	198,553
1982	179,164	10,777	2,616	4,215	196,772	9,435	206,207
1983	187,988	12,543	2,523	4,318	207,372	9,935	217,307
1984	198,522	13,946	2,491	4,505	219,464	9,324	228,788
1985	207,183	14,788	2,335	4,653	228,959	7,079	236,038
1986	213,297	16,177	2,469	4,780	236,723	7,698	244,421
1987	219,711	17,579	2,575	4,903	244,768	8,247	253,015

[2] Excludes estimated sales to restaurants and institutions. [3] Includes eating and drinking establishments and trailer parks; commissary stores, and military exchanges included thru 1985.

[1]EXPENDITURES—MEALS AND SNACKS

Source: U.S.D.A., Economic Research Service—Millions of Dollars

Year	[2]Eating and drinking places	[2]Hotels and motels	[3]Retail stores, direct selling	[4]Recrea-tional places	[5]Schools and colleges	[6]All other	Total for meals & snacks
1970	22,617	1,894	3,325	721	4,475	6,551	39,583
1971	24,166	2,086	3,626	762	4,990	6,621	42,251
1972	27,167	2,390	3,811	832	5,370	7,017	46,587
1973	31,265	2,639	4,218	963	5,605	7,960	52,650
1974	34,029	2,864	4,520	1,167	6,287	9,178	58,045
1975	41,384	3,199	4,952	1,369	7,060	10,145	68,109
1976	47,536	3,769	5,341	1,511	7,854	10,822	76,833
1977	52,491	4,115	5,663	2,606	8,418	11,661	84,954
1978	60,042	4,863	6,323	2,814	9,066	13,109	96,217
1979	68,872	5,551	7,157	2,928	9,966	14,864	109,338
1980	75,883	5,906	8,158	3,052	11,212	16,363	120,574
1981	83,358	6,639	8,830	2,995	11,929	17,941	131,692
1982	90,390	6,888	9,246	2,871	12,602	18,892	140,889
1983	97,848	7,561	10,165	3,049	13,309	19,794	151,726
1984	103,870	8,186	11,122	3,200	13,985	21,478	161,841
1985	108,554	8,805	11,695	3,326	14,778	22,339	169,497
1986	117,289	9,300	12,669	3,460	15,350	23,499	181,567
1987	128,154	9,750	13,488	3,590	15,923	24,637	195,542

[2] Includes tips. [3] Includes vending machine operators but not vending machines operated by other organizations. [4] Motion picture theaters, bowling alleys, pool parlors, sport arenas, camps, amusement parks, golf and country clubs. Includes concessions beginning 1977. [5] Includes school food subsidies. [6] Military exchanges and clubs; railroad dining cars; airlines; food service in manufacturing plants, institutions, hospitals, boarding houses, fraternities and sororities, and civic and social organizations; and food supplied to military forces and civilian employees; child daycare.

FOODSERVICE ANALYSIS BY INDUSTRY SEGMENT

Source: USDA Economic Research Service

FOODSERVICE — SALES

FOODSERVICE—NUMBER OF ESTABLISHMENTS

Industry segment	1979	1980	1981	1982	1983	1984	1985 [1]	1986 [1]	1979	1980	1981	1982	1983	1984	1985	1986 [1]
	Million dollars	*Million dollars*	*Million dollars*	*Million dollars*	*Million dollars*	*Million dollars*	*Million dollars*	*Million dollars*	*Number*	*Number*	*Number*	*Number*	*Number*	*Number*	*Number*	*Number*
Separate eating places:																
Restaurants, lunchrooms	33,534	35,615	38,805	40,931	44,731	48,419	52,296	54,077	120,478	121,269	122,060	122,851	123,642	124,433	125,502	125,237
Fast food outlets	25,112	28,706	31,523	36,492	41,898	47,319	51,455	55,767	107,143	110,469	113,794	117,119	120,444	123,769	124,809	125,032
Cafeterias	2,343	2,426	2,575	2,699	2,871	3,022	2,992	2,817	6,612	6,418	6,223	6,029	5,835	5,640	5,388	4,277
Total [2]	61,653	67,557	73,787	80,967	90,356	99,582	106,743	112,661	234,245	238,167	242,089	249,558	249,932	253,854	255,699	254,546
Lodging places	4,937	5,258	5,939	6,164	6,756	7,264	7,355	7,862	24,745	24,152	23,559	24,448	23,855	23,262	22,613	24,533
Retail hosts	3,322	3,535	3,835	3,943	4,318	4,779	4,910	5,242	59,422	58,808	58,193	57,578	56,963	56,348	56,005	55,616
Recreation, entertainment	2,110	2,362	2,471	2,813	3,093	3,394	3,510	3,935	33,808	33,902	33,996	34,093	34,188	34,282	34,910	35,716
Separate drinking places	1,045	1,100	1,121	1,098	1,111	1,076	982	903	48,636	47,250	45,864	44,478	43,092	41,706	40,642	39,462
Commercial feeding total [2]	73,067	79,814	87,154	94,985	105,634	116,095	123,500	130,603	400,856	402,278	403,701	410,155	408,030	409,453	409,869	409,873
Education:																
Elementary, secondary	7,313	7,875	8,099	7,368	7,537	7,930	8,472	8,673	94,300	94,100	92,900	91,300	90,600	89,600	89,424	88,824
Colleges, universities	2,494	2,824	3,126	3,487	3,886	4,092	4,230	4,403	3,152	3,231	3,253	3,280	3,284	3,288	3,299	3,312
Other education	118	134	152	175	201	217	240	267	2,948	2,957	2,925	2,966	2,975	3,000	3,076	3,120
Total [2]	9,925	10,833	11,376	11,030	11,624	12,239	12,942	13,343	100,400	100,288	99,078	97,546	96,859	95,888	95,799	95,256
Plants, office buildings	4,658	5,145	5,669	5,919	6,258	6,793	7,186	7,365	15,905	15,780	15,747	15,414	15,409	15,846	15,963	16,006
Hospitals	4,403	4,919	5,366	5,609	5,715	5,817	5,905	6,392	6,988	6,965	6,933	6,915	6,888	6,861	6,835	6,810
Care facilities	3,198	3,602	4,072	4,797	4,983	5,281	5,452	5,522	22,416	23,065	24,941	26,817	27,875	28,933	29,711	30,599
Vending	2,853	3,094	3,183	3,214	3,348	3,553	3,730	3,685	3,685	3,660	3,634	3,608	3,582	3,556	3,535	3,507
Military services:																
Troop feeding	1,421	1,496	1,619	1,644	1,709	1,765	1,853	1,933	1,359	1,275	1,389	1,387	1,341	1,310	1,290	1,250
Clubs, exchanges	400	438	490	522	546	601	617	627	2,457	2,448	2,435	2,431	2,420	2,042	1,980	1,940
Total [2]	1,821	1,934	2,109	2,166	2,255	2,366	2,470	2,560	3,816	3,723	3,824	3,818	3,761	3,352	3,270	3,190
Transportation	1,426	1,563	1,656	1,685	1,793	1,922	1,996	2,296	740	696	714	664	644	642	640	626
Associations	1,058	1,153	1,276	1,431	1,501	1,562	1,610	1,692	19,088	19,150	19,211	19,272	19,333	19,394	19,450	19,333
Correctional facilities	626	705	786	1,018	1,092	1,155	1,205	1,388	6,871	6,924	6,977	7,031	7,085	7,164	7,204	7,232
Child day care centers	367	469	641	607	663	760	835	920	30,309	45,155	64,657	70,679	78,800	84,175	88,410	91,645
Elderly feeding programs	388	456	544	579	629	689	744	804	12,077	12,556	12,915	13,246	13,993	14,035	14,068	19,167
Other	178	192	208	223	238	252	268	287	16,117	15,914	15,841	16,159	16,479	16,799	17,101	17,389
Noncommercial feeding total [2]	30,901	34,064	36,886	38,279	40,098	42,390	44,343	46,254	238,412	253,875	274,472	281,169	290,708	296,645	301,986	310,760
Grand total [2]	103,968	113,878	124,040	133,264	145,733	158,485	167,843	176,857	639,268	656,153	678,172	691,324	698,738	706,098	711,855	720,633

[1] Preliminary.
[2] Totals may not add due to rounding.

Economic Research Service.